

## SEARCH REQUEST FORM

Requestor's Name: John D. Williams Serial Number: 08/794 795  
Date: 9-10-88 Phone: 308-4008 Art Unit: 1646  
10B15

## Search Topic:

Please write a detailed statement of search topic. Describe specifically as possible the subject matter to be searched. Define any terms that may have a special meaning. Give examples or relevant citations, authors, keywords, etc., if known. For sequences, please attach a copy of the sequence. You may include a copy of the broadest and/or most relevant claim(s).

Please search SEQ ID NO: 6 & 5

of 08/794 795 for interfaces  
only:

Approved  
Rene La Delfino

Special  
Please Refer  
Lita Fero

## STAFF USE ONLY

Date completed: 9/11  
Searcher: DL 308-4292  
Terminal time: 5  
Elapsed time: Prep 3  
CPU time: \_\_\_\_\_  
Total time: \_\_\_\_\_  
Number of Searches: \_\_\_\_\_  
Number of Databases: 4

Search Site  
\_\_\_\_ STIC  
\_\_\_\_ ☒ CM-1  
\_\_\_\_ Pre-S  
Type of Search  
\_\_\_\_ 1 N.A. Sequence  
\_\_\_\_ 1 A.A. Sequence  
\_\_\_\_ Structure  
\_\_\_\_ Bibliographic

Vendors  
\_\_\_\_ IG  
\_\_\_\_ STN  
\_\_\_\_ Dialog  
\_\_\_\_ APS  
\_\_\_\_ Geninfo  
\_\_\_\_ SDC  
\_\_\_\_ DARC/Questel  
\_\_\_\_ ☒ Other msuch

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MIOSIN (TM)

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Release 3.1A John F. Collins, Biocomputing Research Unit.

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MPsrch\_nn n.a. - n.a. database search, using Smith-Waterman algorithm

Run on: Fri Sep 11 06:57:38 1998; MasPar time 61.54 Seconds  
1182.505 Million cell updates/sec

Tabular output not generated.

Title: >US-08-794-795-5  
Description: (1-1560) from US08794795.seq  
Perfect Score: 1560  
N.A. Sequence: 1 ATGAGAAATAAGAAAATTCT.....CAGGCGTGGAGTGCAGCGTC 1560  
Comp: TACTCTTTATCTTTTAAGA.....GTCCGCACCTCAGCTCGCAGScoring table: TABLE default  
Gap 6

Nmatch STD: Dbase 0; Query 0

Searched: 88822 seqs, 23323279 bases x 2

Post-processing: Minimum Match 0%  
Listing first 45 summariesDatabase: n-issued  
1:5\_COMB 2:PCT9\_COMB 3:backfiles1

Statistics: Mean 8.943; Variance 5.183; scale 1.726

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result	No.	Score	% Match	Query Length	DB ID	Description	Pred. No.
	1	666	42.7	1868	1	US-08-392- Sequence 1, Applicatio	0.00e+00
c	2	133	8.5	7218	1	US-08-232- Sequence 14, Applicati	1.70e-72
	3	39	2.5	215	1	US-08-238- Sequence 5, Applicatio	1.15e-09
	4	37	2.4	1367	2	PCT-US96-0 Sequence 3, Applicatio	1.72e-08
	5	37	2.4	1367	1	US-08-453- Sequence 3, Applicatio	1.72e-08
	6	37	2.4	1839	2	PCT-US96-0 Sequence 1, Applicatio	1.72e-08
	7	37	2.4	2028	1	US-08-453- Sequence 1, Applicatio	1.72e-08
	8	37	2.4	2028	2	PCT-US96-0 Sequence 1, Applicatio	1.72e-08
	9	37	2.4	2037	1	US-08-154- Sequence 1, Applicatio	1.72e-08
	10	36	2.3	1588	3	5510466-3 Patent No. 5510466.	6.57e-08
	11	35	2.2	1196	1	US-08-167- Sequence 5, Applicatio	2.48e-07
	12	35	2.2	1807	3	5510466-1 Patent No. 5510466.	2.48e-07
	13	33	2.1	186	1	US-07-972- Sequence 80, Applicati	3.41e-06
c	14	33	2.1	215	1	US-08-238- Sequence 5, Applicatio	3.41e-06
	15	32	2.1	1416	1	US-07-621- Sequence 1, Applicatio	1.24e-05
	16	33	2.1	7218	1	US-08-232- Sequence 14, Applicati	3.41e-06
	17	31	2.0	123	1	US-07-609- Sequence 58, Applicati	4.45e-05
	18	31	2.0	169	1	US-07-972- Sequence 78, Applicati	4.45e-05
	19	29	1.9	2285	1	US-08-477- Sequence 9, Applicatio	5.49e-04
	20	28	1.8	216	1	US-07-972- Sequence 46, Applicati	1.88e-03

21	28	1.8	3394	1	US-08-159- Sequence 4, Applicatio	1.88e-03	
22	28	1.8	4031	1	US-08-159- Sequence 1, Applicatio	1.88e-03	
23	26	1.7	105	1	US-07-865- Sequence 13, Applicati	2.10e-02	
24	26	1.7	108	1	US-07-972- Sequence 30, Applicati	2.10e-02	
25	27	1.7	186	1	US-07-609- Sequence 62, Applicati	6.35e-03	
26	27	1.7	186	1	US-08-175- Sequence 66, Applicati	6.35e-03	
27	27	1.7	226	1	US-08-175- Sequence 63, Applicati	6.35e-03	
28	27	1.7	4360	1	US-08-470- Sequence 1, Applicatio	6.35e-03	
29	25	1.6	74	2	PCT-US95-1 Sequence 100, Applicat	6.82e-02	
30	25	1.6	81	2	PCT-US95-1 Sequence 98, Applicati	6.82e-02	
c	31	25	1.6	81	2	PCT-US95-1 Sequence 92, Applicati	6.82e-02
c	32	25	1.6	82	2	PCT-US95-1 Sequence 97, Applicati	6.82e-02
33	25	1.6	242	1	US-08-273- Sequence 1, Applicatio	6.82e-02	
34	23	1.5	65	1	US-08-471- Sequence 145, Applicat	6.72e-01	
c	35	24	1.5	66	1	US-08-471- Sequence 144, Applicat	2.17e-01
c	36	24	1.5	69	1	US-08-471- Sequence 142, Applicat	2.17e-01
37	24	1.5	74	2	PCT-US95-1 Sequence 94, Applicati	2.17e-01	
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39	24	1.5	75	2	PCT-US95-1 Sequence 99, Applicati	2.17e-01	
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41	24	1.5	81	2	PCT-US95-1 Sequence 92, Applicati	2.17e-01	
42	24	1.5	82	2	PCT-US95-1 Sequence 97, Applicati	2.17e-01	
43	24	1.5	162	1	US-07-972- Sequence 34, Applicati	2.17e-01	
44	24	1.5	162	1	US-07-972- Sequence 36, Applicati	2.17e-01	
c	45	24	1.5	506	1	US-08-253- Sequence 61, Applicati	2.17e-01

## ALIGNMENTS

RESULT 1  
ID US-08-392-367B-1 STANDARD; DNA; UNC; 1868 BP.  
AC xxxxxx  
DT  
DE Sequence 1, Application US/08392367B  
CC Sequence 1, Application US/08392367B  
CC Patent No. 5691197  
CC GENERAL INFORMATION:  
CC APPLICANT: Tryggvason, Karl  
CC APPLICANT: Elomaa, Outi  
CC APPLICANT: Kangas, Maarit  
CC TITLE OF INVENTION: An Insolated DNA Sequence For a  
CC Patent No. 5691197  
CC TITLE OF INVENTION: No. 5691197el Macrophage Receptor with  
CC TITLE OF INVENTION: a Collagenous Domain and the  
CC TITLE OF INVENTION: Polypeptide Chain Encoded by  
CC TITLE OF INVENTION: such a Sequence  
CC NUMBER OF SEQUENCES: 2  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Fay, Sharpe, Beall, Fagan,  
CC ADDRESSEE: Minnich & McKee  
CC STREET: 1100 Superior Avenue  
CC STREET: Suite 700  
CC CITY: Cleveland  
CC STATE: Ohio  
CC COUNTRY: U.S.A.  
CC ZIP: 44114-2518  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Diskette, 3.50 inch,  
CC MEDIUM TYPE: 720 Kb storable  
CC COMPUTER: IBM PS/2, Model 35 SX  
CC OPERATING SYSTEM: DOS 5.0  
CC SOFTWARE: Word Perfect 5.1  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/392,367B  
CC FILING DATE:  
CC CLASSIFICATION: 435  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Minnich, Richard J.  
CC REGISTRATION NUMBER: 24,175  
CC REFERENCE/DOCKET NUMBER: TRV 2 009  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (216) 861-5582  
CC TELEFAX: (216) 241-1666

Query Match 42.7%; Score 666; DB 1; Length 1868;  
Best Local Similarity 75.1%; Pred. No. 0.00e+00;  
Matches 1110; Conservative 0; Mismatches 354; Indels 15; Gaps 6;

Db 247 ATGGAGACCTTCGAAATCAATGATCCAGTGCCTGCCAAGAAGAGAAATGGGGGACCTTCTGC 306  
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Qy 76 ATGGAGCCTTTTCGAAATCAATGTTCCAAAGCCCAGAGGAGAAATGGGGTGAACTTCTCC 135

Db 307 ATGGCAGTCATGCCCATCCACTGATCTGTCTCACGGCAGGTACTGCATGCTGCTGATT 366  
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
Qy 136 CTAGCTGTGGTGGTCATCTACCTGATCTGTCTACCCTGGCGCTGGGCTGCTGGTGGTC 195

Db 367 CAAGTTCTCAATCTGCAGGAGCAGCTCCAGATGCTAGAGATGTGCTGTGGCAATGGATCA 426  
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
Qy 196 CAAGTTCTGAATCTGCAGGCGGGCTCCGGGTCTGGAGATGTATTCTCTCAATGACACT 255

Db 427 CTAGCTATCGAGGACAAGCCCTTCTTCTC--GCTCGAGTGGGCAC--CCAAAACA-CAC 480  
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Qy 256 CTGGCGGCTGAGGACAGCCGCTCTTCTCTTGTCTGCAGTCAGCACACCTGGAGAACAC 315

Db 481 CTGGTACCTTAGAGCAGCGGGCTGCAAGCCTTCAGGCCCCAGCTCAGCTGGGTCCATACC 540  
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Qy 316 CTGGCTCAGGTGCATCGAGGCTGCAAGTCTGCAGGCCCCAECTACCTGGGTCCGCGTC 375

Db 541 AGCCAGGAGCAACTCCGTCAGCAGTTCAACAACCTCACTCAAAATCCAGAGTTGTTCCAG 600  
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Qy 376 AGCCATGAGCACTTGCTGCAGCGGTAGACAACCTCACTCAGAACCCAGGGATGTTCCAGA 435

Db 601 ATTAAGGTGAACGAGGCTCTCCAGGTC--CAA-----AAGGGCCCCGGGTGCT-CCT 651  
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  
Qy 436 ATCAAGGTGAACAAGGCGCCCAAGGTCTTCAAGGTCACAAGGGGGCCATGGGCATGCCT 495

Db 652 GGAATCCCCGGGCTGCCTGGGCGAGTGTGAGAAGGGAGAAAAGGGGGCTGCAGGTGCT 711  
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Qy 496 GGTGCCCTGGCCCCGCCGGGACCACCTGTGAGAAGGGAGCCAAGGGGGCTATGGGACGA 555

Db 712 GATGGAACCCAGGTGTCCAAGGACCCCAAGGGCCACAGGCAGCAAGGGAGAGGCGAGGC 771  
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Qy 556 GATGGAGACAACAGGCCCTCGGGACCCCAAGGCCACCGGGAGTCAAGGGAGAGGCGGGC 615

Db 772 CTCAGGGACTTACGGGTGCACAGGGAAGCAAGGAGCACTGGTGCTCCAGGACCTCGA 831  
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Qy 616 CTCGAAGGACCCAGGGTGCTCCAGGGAAGCAAGGAGCACTGGCAACCCAGGACCCCAA 675

Db 832 GGAGAGAAGGGCAGCAAAAGGTGACATAGGTCTCACTGGCCCCAAGGGGGAACATGGCACC 891  
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Qy 676 GGAGAGAAGGGCAGCAAAAGCGATGGGGTCTCATTGGCCCCAAAGGGGGAACCTGGAAC 735

Db 892 AAGGGAGACAAGGGGACCTAGGCCCTTCAGGAAAAAAGGGGACATGGGCATGAAGGGA 951  
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Qy 736 AAGGGAGAGAAAGGAGACCTGGGTCTCCAGGAAGCAAGGGGACAGGGGCATGAAGGA 795

Db 952 GACACGGGGCCCATGGGGTCCCCTGGAGCTCAGGGAGTAAAGTGATGCTGGAACCA 1011  
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Qy 796 GATCAGGGGTCTATGGGGCTCCTGGAGCCCAAGGGGAGTAAAGGTGACTCTGGGAGGCCA 855

Db 1012 GGCCTACCAAGTTTGGCTGGATCTCCAGGAGTCAAGGTGACCAAGGAAAACTGGAGTG 1071  
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Qy 856 GGCCACCAAGTTTGGCTGGTTTTCTGGAGCTAAAGGAGATCAAGGACAACCTGGAGTG 915

Db 1072 CAGGGGTCTTCCAGGCCCTCAAGGTGCACCAAGGACTTTCAGGTGCCAAGGGTGAGCCAGGA 1131

Qy 916 CAGGGTGTTCGGGGCCCTCTCTGGTCAGTGGGACACCCAGGTGCCAAGGGTGAGCGTGGC 975

Db 1132 CGCACTGGTCTTCTCTGGGGCAGCAGGACCCCCGGGAATTGCTGGGAATCCAGGGATTGCA 1191

Qy 976 AGTGCTGSGCTCCCCCTGGGCAGCAGGACTTCCAGGGAGCCCCGGGAGTCCAGGAGCCACA 1035

Db 1192 GGTGTGAAAGGAAGCAAGGGTGACACAGGAATTCAAGGACGAAAGGCACAAAAGGAGAA 1251

Qy 1036 GGCTGTAAAGGAAGCAAAAGGGGACACAGGACTTCAAGGACAGCAAGGAAGAAAAGGAGAA 1095

Db 1252 TCAGGAGTCCCAGGTCTTTGTAGGCAGAAAGGGAGACACTGGAAGCCCTGGGCTGGCAGGT 1311

Qy 1096 TCAGGAGTTCAGGCCCTGCAGGTGTGAAGGGAGAACAGGGAGCCCGAGGGCTGGCAGGT 1155

Db 1312 CCCAAGGAGAACCTTGCAGGAGTCGGTCAGAAAGGGAGACCCGGGGATGAAAGGGTCTTCT 1371

Qy 1156 CCCAAGGAGCCCCCTGGACAAGCTGGCCAGCAAGGGAGACAGGGAGTGAAAGGATCTTCT 1215

Db 1372 GGCCAGCAAGGACAAAAGGGAGAAAAGGGTCAAAAAGGCGAATCTTTCCAACGCGTCCGG 1431

Qy 1216 GGGGAGCAAGGAGTAAGGGAGAAAAGGTGAAGAGGTTGAAACTCAGTGTCCCTCAGG 1275

Db 1432 ATCATGGTGGCACCAACAGAGGCCGAGCTGAAGTTTACTATAACAATGAGTGGGGGACA 1491

Qy 1276 ATTTGTGGCAGTAGTAACCGAGGCCGGGCTGAAGTTTACTACAGTGGTACCTGGGGGACA 1335

Db 1492 ATTTGTGATGATGATTGGGATAAATAATGATGCGACTGTCTTCTGTGCGATGCTCGGTTAC 1551

Qy 1336 ATTTGCGATGACGAGTGGCAAAATTCTGATGCCATTGTCTTCTGCCGATGCTGGGTTAC 1395

Db 1552 TCCAGAGGGAGAGCACTTAGCAGCTATGGAGGTGGCTCTGGGAACATCTGGCTGGACAAT 1611

Qy 1396 TCCAAAGGAAGGGCCCTGTACAAGATGGGAGCTGGCACTGGCGAGATCTGGCTGGATAAT 1455

Db 1612 GTGAATTGTCTGGGGCAGAGAGAACAGTTTGTGGGACTGCAGTAAGAACTCCTGGGGCAAT 1671

Qy 1456 GTTCAGTGTCTGGGGCAGGAGAGTACCCTGTGGAGCTGCACCAAGAATAGCTGGGGCCAT 1515

Db 1672 CACAATTGCGTACATAATGAAGATGCGGGTGTGGAATGC 1710

Qy 1516 CATGACTGCAGCCACAGGAGGAGCGCAGGCGTGGAGTGC 1554

RESULT 2  
ID US-08-232-463-14 STANDARD; DNA; UNC; 7218 BP.  
AC xxxxxx  
DT  
DE Sequence 14, Application US/08232463  
CC Sequence 14, Application US/08232463  
CC Patent No. 5670367  
CC GENERAL INFORMATION:  
CC APPLICANT: DORNER, F.  
CC APPLICANT: SCHEIFLINGER, F.  
CC APPLICANT: FALKNER, F. G.  
CC TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS  
CC NUMBER OF SEQUENCES: 52  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Foley & Lardner  
CC STREET: 1800 Diagonal Road, Suite 500  
CC CITY: Alexandria  
CC STATE: VA  
CC COUNTRY: USA  
CC ZIP: 22313-0299  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: PatentIn Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/232,463  
CC FILING DATE:  
CC CLASSIFICATION: 435

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CC      PRIOR APPLICATION DATA:
CC      APPLICATION NUMBER:  US/07/935,313
CC      FILING DATE:
CC      APPLICATION NUMBER:  EP 91 114 300.6
CC      FILING DATE:  26-AUG-1991
CC      ATTORNEY/AGENT INFORMATION:
CC      NAME:  BENT, Stephen A.
CC      REGISTRATION NUMBER:  29,768
CC      REFERENCE/DOCKET NUMBER:  30472/114 IMMU
CC      TELECOMMUNICATION INFORMATION:
CC      TELEPHONE:  (703)836-9300
CC      TELEFAX:  (703)683-4109
CC      TELEX:  899149
CC      INFORMATION FOR SEQ ID NO:  14:
CC      SEQUENCE CHARACTERISTICS:
CC      LENGTH:  7218 base pairs
CC      TYPE:  nucleic acid
CC      STRANDEDNESS:  single
CC      TOPOLOGY:  linear
CC      IMMEDIATE SOURCE:
CC      CLONE:  pTZgpt-Fls
SQ      SEQUENCE 7218 BP: 1944 A: 1491 C: 1486 G: 1929 T: 368 OTHER

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Query Match 8.5%; Score 133; DB 1; Length 7218;  
Best Local Similarity 0.5%; Pred. No. 1.70e-72;  
Matches 2; Conservative 249; Mismatches 118; Indels 0; Gaps 0;

Db 1065 ATYYY 1124  
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Cp 1359 ATTTGGCACTCGTCATCGCAAATTGTCCCCAGGTACCACTGTAGTAACCTCACCCG 1300

Db 1125 YYVYYYYYY 1184  
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Cp 1299 GCCTCGGTTACTACTGCCGACAACTCTGACGGCACTGAGTTTTCACCCTTTTCACTTT 1240

Db 1185 YY 1244  
::: :::  
Cp 1239 TTCTCCCTTTACTCCTTGCTCCCCAGAAGATCCTTTCACCTCCCTGGTCTCCCTTCTGGCC 1180

Db 1245 YY 1304  
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Cp 1179 AGCTTGTCCAGGGGCGCCCTGGGACCTGCCAGCCCTGGGCTCCCTGTTTCCTCTCAC 1120

Db 1305 YYY 1364  
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Cb 1119 ACTCGAGGGGCTGGAACTCCTGATCTCTCTTTCTCTCTCTGCTGCTCTGAATCTCTT 1060

Db 1365 YY 1424  
::: ::::: ::::: ::: : ::::: ::::: ::::: :::  
Cp 1059 GTCCCTTTGGTTCCTTCAGGCGCTGGGTCGGACGCCGGGGGTCCCTGGAAGTGC 1000

Db 1425 YYYYYYYYYY 1433

Cp 999 TGCTCGCCC 991

RESULT 3  
ID US-08-238-163-5 STANDARD; DNA; UNC; 215 BP.  
AC xxxxxxx

DE Sequence 5, Application US/08238163  
CC Sequence 5, Application US/08238163  
CC Patent No. 5569830  
CC GENERAL INFORMATION:  
CC APPLICANT: BENNETT, Alan  
CC APPLICANT: LABAVITCH, John M.  
CC APPLICANT: POWELL, Ann  
CC APPLICANT: STOTZ, Henrik  
CC TITLE OF INVENTION: PLANT INHIBITORS OF FUNGAL  
CC TITLE OF INVENTION: POLYGALACTURONASES AND THEIR USE TO CONTROL FUNGAL DISEASE  
CC NUMBER OF SEQUENCES: 24  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Townsend and Townsend Khourie and Crew

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CC      STREET:  Steuart Street Tower, One Market Plaza
CC      CITY:    San Francisco
CC      STATE:   California
CC      COUNTRY: US
CC      ZIP:     94105-1493
CC      COMPUTER READABLE FORM:
CC      MEDIUM TYPE: Floppy disk
CC      COMPUTER: IBM PC compatible
CC      OPERATING SYSTEM: PC-DOS/MS-DOS
CC      SOFTWARE: PatentIn Release #1.0, Version #1.25
CC      CURRENT APPLICATION DATA:
CC      APPLICATION NUMBER:  US/08/238,163
CC      FILING DATE:       03-MAY-1994
CC      CLASSIFICATION:    800
CC      ATTORNEY/AGENT INFORMATION:
CC      NAME:              Bastian, Kevin L.
CC      REGISTRATION NUMBER: 34,774
CC      REFERENCE/DOCKET NUMBER: 2307E-540
CC      TELECOMMUNICATION INFORMATION:
CC      TELEPHONE:         (415) 543-9600
CC      TELEFAX:           (415) 543-5043
CC      INFORMATION FOR SEO ID NO: 5:

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CC      LENGTH: 215 base pairs
CC      TYPE: nucleic acid
CC      STRANDEDNESS: single
CC      TOPOLOGY: unknown
CC      MOLECULE TYPE: protein
CC      FEATURE:
CC          NAME/KEY: misc_feature
CC          LOCATION: 1..215
CC          OTHER INFORMATION: /standard_name= "Deduced amino acid
CC          OTHER INFORMATION: sequence of PGIP from bean."
SO      SEQUENCE 215 BP: 15 A: 8 C: 25 G: 26 T: 141 OTHER:
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Query Match 2.5%; Score 39; DB 1; Length 215;  
Best Local Similarity 13.4%; Pred. No. 1.15e-09;  
Matches 23; Conservative 74; Mismatches 74; Indels 1; Gaps 1;

Db 6 M SSSSVVSR TASCNDKAKKGNTSSWTTDCCNRTWGVCDDTTYRVNDSGHNKYSSAN 65  
:: :: :: :: :: || :: :: :: :: :: :: :: ::  
Qv 1138 A C C C C A G C G C G C G A G C T C C C A G C G A C C C C T G G A C A G C T G C C A G A G G G A G A C C A G 1197

Db 66 YNYGGNVGAAKTHYYTHNVSGADSKVTVDSYNAGTSSSSNGCTDGNRSGADSYGSSKT 125  
| : | : ::| :| :| : : : :| : : : :| : : :| : :| : :| : :  
Gv 1198 GCACTCAA-AGCACTCTTCGCGGACGAAGGCACTAAGCGGACAGAAAAGCTGCAAGAGCTGA 1256

Db 126 AMTSRNRRTGKTANNVDSRNMGDASVGSKDNTKKHAKNSADCKGVSKNNNGDR 177  
| : : : | :: : : |:| :| :| :| :|  
Qv 1257 AAACCTCAGTGCCCTGAGCATGTGTCGGGCAGTACTAACCAGGCCGCGGCTGAA 1308

RESULT 4  
ID PCT-US96-08081-3 STANDARD; DNA; UNC; 1367 BP.  
AC XXXXXXX

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DE Sequence 3, Application PC/TUS9608081
CC Sequence 3, Application PC/TUS9608081
CC GENERAL INFORMATION:
CC APPLICANT: SmithKline Beecham Corporation
CC TITLE OF INVENTION: Attachment Enhanced 293 Cells
CC NUMBER OF SEQUENCES: 4
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: SmithKline Beecham - Corporate Patents U.S.
CC STREET: Mailcode - W22220, 709 Swedeland Road
CC CITY: King of Prussia
CC STATE: Pennsylvania
CC COUNTRY: U.S.A.
CC ZIP: 19406-5090
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS

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RESULT 6  
ID PCT-US96-01427-1 STANDARD; DNA; UNC; 1839 BP.  
AC xxxxxx  
DT  
DE Sequence 1, Application PC/TUS9601427  
CC Sequence 1, Application PC/TUS9601427  
CC GENERAL INFORMATION:  
CC APPLICANT: Greene, Mark I.  
CC APPLICANT: Davis, James G.  
CC TITLE OF INVENTION: Saccular collagen and Compositions and  
CC TITLE OF INVENTION: Methods for Making and Using the Same  
CC NUMBER OF SEQUENCES: 2  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Woodcock Washburn Kurtz Mackiewicz & Norris  
CC STREET: One Liberty Place, 46th floor  
CC CITY: Philadelphia  
CC STATE: PA  
CC COUNTRY: USA  
CC ZIP: 19103  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Wordperfect 5.1  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US96/01427  
CC FILING DATE:  
CC CLASSIFICATION:  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/383,744  
CC FILING DATE: 02-FEB-1995  
CC CLASSIFICATION:  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: DeLuca, Mark  
CC REGISTRATION NUMBER: 33,229  
CC REFERENCE/DOCKET NUMBER: UPN-2653  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 215-568-3100  
CC TELEFAX: 215-568-3439

Query Match 2.4%; Score 37; DB 2; Length 2028;  
Best Local Similarity 60.3%; Pred. No. 1.72e-08;



CC APPLICANT: R nnstrand, Lars; Hellman, Ulf; Wernstedt, Christer;  
CC APPLICANT: Heldin, Carl-Henrik  
CC TITLE OF INVENTION: Substantially Pure Receptor-Like  
CC TITLE OF INVENTION: TGF- $\alpha$ 1 Binding Molecules And Uses Thereof  
CC NUMBER OF SEQUENCES: 14  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Felfe & Lynch  
CC STREET: 805 Third Avenue  
CC CITY: New York City  
CC STATE: New York  
CC COUNTRY: USA  
CC ZIP: 10022  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Diskette, 5.25 inch, 360 kb storage  
CC COMPUTER: IBM  
CC OPERATING SYSTEM: PC-DOS  
CC SOFTWARE: Wordperfect  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/167,939A  
CC FILING DATE: 22-APRIL-1994  
CC CLASSIFICATION: 530  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US92/05199  
CC FILING DATE: 18-JUNE-1992  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Hanson, No. 5578703man D.  
CC REGISTRATION NUMBER: 30,946  
CC REFERENCE/DOCKET NUMBER: LUD 5259.1  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (212) 688-9200  
CC TELEFAX: (212) 838-3884  
CC INFORMATION FOR SEQ ID NO: 5:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 1196 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
SQ SEQUENCE 1196 BP; 257 A; 363 C; 387 G; 189 T; 0 OTHER.

Query Match 2.2%; Score 35; DB 1; Length 1196;  
Best Local Similarity 61.0%; Pred. No. 2.48e-07;  
Matches 97; Conservative 0; Mismatches 62; Indels 0; Gaps 0;

Db 147 AGGCTGCCCGGGCTGCCCTGGAGCCGAGGGCCCAAGGGAGAGCGGGGCCAGTGGACC 206  
||||| ||||| | | || ||||| ||||| ||||| |||||  
Qy 567 AGGCCCTCGGGACCCCAAGGCCACCGGGAGTCAAGGGAGAGCGGGCTCCAAGGACC 626  
Db 207 GAAGGGAGGACAAGGCCCTCCGGAGCCCTGGGGAGCCAGGACCCCGGGCCCAAGG 266  
||||| ||||| | ||||| ||||| ||||| ||||| |||||  
Qy 627 CCAGGGTGCTCCAGGGAAGCAAGGAGCCACTGGCACCCAGGACCCCAAGGAGAGAAGG 686  
Db 267 AGACCGAGGGGAGAAGGGCGAGCCTGGACCAAAAGGAGA 305  
| ||| || ||| ||| ||||| |||||  
Qy 687 CAGCAAGGCGATGGGGTCTCATTGGCCCAAAAGGGGA 725

RESULT 12  
ID 5510466-1 STANDARD; DNA; UNC; 1957 BP.  
AC xxxxxx  
DT 01-JAN-1900  
DE Patent No. 5510466.  
CC Patent No. 5510466  
CC APPLICANT: KREIGER, MONTY; KODAMA, TATSUHIKO  
CC TITLE OF INVENTION: SCAVENGER RECEPTOR PROTEIN AND ANTIBODY  
CC THERETO  
CC NUMBER OF SEQUENCES: 12  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/307,400  
CC FILING DATE: 16-SEP-1994  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 997,113  
CC FILING DATE: 24-DEC-1992  
CC APPLICATION NUMBER: 391,486

CC FILING DATE: 09-AUG-1989  
CC APPLICATION NUMBER: 272,002  
CC FILING DATE: 15-NOV-1988  
CC SEQ ID NO:1:  
CC LENGTH: 1807  
SQ Sequence 1957 BP; 556 A; 384 C; 406 G; 461 T; 150 other;  
Query Match 2.2%; Score 35; DB 3; Length 1807;  
Best Local Similarity 62.6%; Pred. No. 2.48e-07;  
Matches 87; Conservative 0; Mismatches 52; Indels 0; Gaps 0;  
Db 856 CTGGACCTCCAGGTGAAAAAGGAGATAGAGGCCCTCTGGACAAAATGGTATACAGGCT 915  
||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
Qy 872 CTGGTTTCTCTGGAGCTAAAGGAGATCAAGGACAACCTGGACTGCAGGGTGTTCGGGGCC 931  
Db 916 TTCCAGGTCTAATAGGTACTCCAGGTCTTAAAGGTGATCGGGGATCTCTGGTTTACCTG 975  
||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||  
Qy 932 CTCCTGGTGCAGTGGGACACCCAGGTGCCAAGGGTGAAGCTGGCAGTGTGCTCCCTG 991  
Db 976 GAGTTCGAGGATCCCGAGG 994  
| ||||| |||||  
Qy 992 GGCGAGCAGGACTTCCAGG 1010

RESULT 13  
ID US-07-972-032-80 STANDARD; DNA; UNC; 186 BP.  
AC xxxxxx  
DT  
DE Sequence 80, Application US/07972032  
CC Sequence 80, Application US/07972032  
CC Patent No. 5496712  
CC GENERAL INFORMATION:  
CC APPLICANT: Cappello, Joseph  
CC APPLICANT: Ferrari, Franco A.  
CC TITLE OF INVENTION: HIGH MOLECULAR WEIGHT COLLAGEN-LIKE  
CC TITLE OF INVENTION: PROTEIN POLYMERS  
CC NUMBER OF SEQUENCES: 85  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Bertram I. Rowland  
CC STREET: 4 Embarcadero Center, Suite 3400  
CC CITY: San Francisco  
CC STATE: California  
CC COUNTRY: USA  
CC ZIP: CA 94111  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: PatentIn Release #1.0, Version #1.25  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/07/972,032  
CC FILING DATE: 19921105  
CC CLASSIFICATION: 435  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US/07/791,960  
CC FILING DATE: 12-NOV-1991  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Rowland, Bertram I.  
CC REGISTRATION NUMBER: 20,015  
CC REFERENCE/DOCKET NUMBER: A-55556-1/BIR;PROP-08-1  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (415) 781-1989  
CC TELEFAX: (415) 398-3249  
CC INFORMATION FOR SEQ ID NO: 80:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 186 base pairs  
CC TYPE: NUCLEIC ACID  
CC STRANDEDNESS: double  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: cDNA  
CC FEATURE:  
CC NAME/KEY: CDS  
CC LOCATION: 1..180



Matches 33; Conservative 78; Mismatches 90; Indels 3; Gaps 3;

Query Match 2.1%; Score 33; DB 1; Length 186;  
Best Local Similarity 60.4%; Pred. No. 3.41e-06;  
Matches 96; Conservative 0; Mismatches 63; Indels 0; Gaps 0;

```

Db      28  GGTGCACCGGGTCTGCAGGGTGACCGGGGAGCCAGTAGCCAGGGTGACCGGGGATTG 87
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Qy      496 GGTGCCCCCTGGCCCGCCGGGACCACTGCTGAGAAGGGAGCCAAGGGGGCTATGGGACGA 555

Db      88  CAGGGGGTCTCCGGTGACCAAGTAGCCAGGGAGCACCGGGTCTGCAAGGAGCACCGGGT 147
        || || || || || || || || || || || || || || || ||
Qy      556 GATGGAGCAACAGGCCCTCTGGGACCCCAAGGCCACCGGGAGTCAAGGGAGAGCGCGGG 615

Db      148  GCACCGGGATCCAGGGCGCTCCGGGGCTCAAGGTGCC 186
        | || || || || || || || || || || || || || || || ||
Qy      616 CTCCAAGGACCCAGGGTCTCCAGGGAGCAAGGAGCC 654

```

```
Db      7 SSSSVSRATASCNDKAKKGNTTSSWTTDCCNRTW-GVCDTDTTYRVNNDSGHNYSSAN 65
       :::: : : | : : : || : : | : |:|:||::: : : : :|
Cp     489 GCCCATGGCCCCCTTGACCTTGAAACCCTGGGCGCCTTGTTCACCTTGATTCTGAA 430

Db     66 YNYGGNNVGAAKTHYYHTNVSGADSKTVTDSYNASGTTSSNGTGDGNRSGADSYGSSKT 125
       : : : | :|| : | : : : : : | : || : : : :| : :
Cp    429 CATCCCTGGG-TTCTGAGTAGAATTGTCTACCCGCTGCAGCAAGTGCTCATGGCTGACGC 371

Db    126 AMTSRNRTGKTANNVA DSRNMGDASVSGDKNTKKHAKN SADKGVGSKNNGDRNNRYTGT 185
       : : |:| : : : : | :| : : : : |:| : : : :| :| :|
Cp    370 GGACCCAGGTGAGTTGGGCCCTGCAGGACTTCAGCCTCGATGCACC-CTGACCCAGGTGT 312

Db   186 KSNVSNNCGGGNKRDVSSYANNKC 209
       : : : | | : : : : :|
Cp   311 TCTCCAGGGTGTGCTGACTGCAGC 288
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RESULT 14

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ID US-08-238-163-5 STANDARD; DNA; UNC; 215 BP.
AC xxxxxx
DE Sequence 5, Application US/08238163
CC Sequence 5, Application US/08238163
CC Patent No. 5569830
CC GENERAL INFORMATION:
CC APPLICANT: BENNETT, Alan
CC APPLICANT: LABAVITCH, John M.
CC APPLICANT: POWELL, Ann
CC APPLICANT: STOTZ, Henrik
CC TITLE OF INVENTION: PLANT INHIBITORS OF FUNGAL
CC TITLE OF INVENTION: POLYGALACTURONASES AND THEIR USE TO CONTROL FUNGAL DISEASE
CC NUMBER OF SEQUENCES: 24
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Townsend and Townsend Kourie and Crew
CC STREET: Stewart Street Tower, One Market Plaza
CC CITY: San Francisco
CC STATE: California
CC COUNTRY: US
CC ZIP: 94105-1493
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: PatentIn Release #1.0, Version #1.25
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/238,163
CC FILING DATE: 03-MAY-1994
CC CLASSIFICATION: 800
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Bastian, Kevin L.
CC REGISTRATION NUMBER: 34,774
CC REFERENCE/DOCKET NUMBER: 2307E-540
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: (415) 543-9600
CC TELEFAX: (415) 543-5043
CC INFORMATION FOR SEQ ID NO: 5:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 215 base pairs
CC TYPE: nucleic acid
CC STRANDEDNESS: single
CC TOPOLOGY: unknown
CC MOLECULE TYPE: protein
CC FEATURE:
CC NAME/KEY: misc_feature
CC LOCATION: 1..215
CC OTHER INFORMATION: /standard_name= "Deduced amino acid
CC OTHER INFORMATION: sequence of GP19 from bean."
SO SEQUENCE 215 BP: 15 A: 8 C: 25 G: 26 T: 141 OTHER.

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Query Match 2.1%; Score 33; DB 1; Length 215;  
Best Local Similarity 16.2%; Pred. No. 3.41e-06;

RESULT 15

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ID US-07-621-091G-1 STANDARD; DNA; UNC; 1416 BP.
AC xxxxxx
DE
DE Sequence 1, Application US/07621091G
CC Sequence 1, Application US/07621091G
CC Patent No. 5424408
CC GENERAL INFORMATION:
CC APPLICANT: Readers, Stephen T., Morrison, Karen E., Hudson, Billy
CC APPLICANT: G.
CC TITLE OF INVENTION: Alpha-3 Chain Type IV Collagen
CC TITLE OF INVENTION: Polynucleotides
CC NUMBER OF SEQUENCES: 23
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Yale University, Office of Cooperative Research
CC STREET: 246 Church Street
CC CITY: New Haven
CC STATE: Connecticut
CC COUNTRY: U.S.A.
CC ZIP: 06510
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Diskette, 3.50 inch, 800K storage
CC COMPUTER: Apple Macintosh
CC OPERATING SYSTEM: Macintosh OS7.0
CC SOFTWARE: Microsoft Word 5.1a
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/07/621,091G
CC FILING DATE: 11/30/90
CC CLASSIFICATION: 424
CC PRIOR APPLICATION DATA: No. 5424408 applicable
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Barth, Richard S.
CC REGISTRATION NUMBER: 28180
CC REFERENCE/DOCKET NUMBER: 900983/RB
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: (212) 972-1400
CC TELEFAX: (212) 370-1622
CC TELEX: 236268
CC INFORMATION FOR SEQ ID NO: 1:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 1416 base pairs
CC TYPE: Nucleic acid
CC STRANDEDNESS: Double
CC TOPOLOGY: Linear
CC MOLECULE TYPE: cDNA to mRNA
CC HYPOTHETICAL: No
CC ANTI-SENSE: No
CC ORIGINAL SOURCE:
CC ORGANISM: Calf
CC STRAIN: Unknown
CC INDIVIDUAL ISOLATE: Unknown
CC DEVELOPMENTAL STAGE: Unknown
CC CELL TYPE: Whole kidney
CC IMMEDIATE SOURCE:

```

```
CC      LIBRARY: Bovine lens cDNA
CC      CLONE: KMC15
CC      POSITION IN GENOME: No. 5424408 known
CC      CHROMOSOME/SEGMENT: No. 5424408 known
CC      PUBLICATION INFORMATION: No. 5424408e
SQ      SEQUENCE 1416 BP; 374 A; 365 C; 393 G; 284 T; 0 OTHER.

Query Match          2.1%; Score 32; DB 1; Length 1416;
Best Local Similarity 61.0%; Pred. No. 1.24e-05;
Matches 89; Conservative 0; Mismatches 57; Indels 0; Gaps 0;
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Db      472 GGAAGCCACGAGCCCACCTGGTTTCAGCTGGAGAACCAGGGATGCAAGGAGAACC CGGGCCCC 531
        || || ||||| |||| | ||| | ||| | ||| | || |
Qy      847 GGGAGGCCAGGCCCCACAGGTTTGGCTGGTTTTCCTGGAGCTAAAGGAGATCAAGGACAA 906

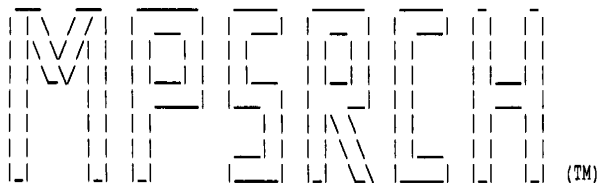
Db      532 CCAGGACCACCAGGAGATCCAGGACCTGTGGGCCAAAAGGTAAACAGGGGAGGATGTT 591
        || ||| | | | | || | || | || | || | || | || |
Qy      907 CCTGGACTGCAGGGTGTTCCGGGCCCTCCTGGTGCAGTGGGACACCCAGGTGCCAAGGGT 966

Db      592 CCACAGGAACCTCTGGACCACTGG 617
        || || ||| | ||| |
Qy      967 GAGCCTGGCAGTGTGGTCCCCCTGG 992

```

Search completed: Fri Sep 11 06:59:56 1998  
Job time : 138 secs.

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(TM)

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Release 3.1A John F. Collins, Biocomputing Research Unit.

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MPsrch\_nn n.a. - n.a. database search, using Smith-Waterman algorithm

Run on: Fri Sep 11 07:00:14 1998; MasPar time 1122.70 Seconds  
1310.169 Million cell updates/sec

Tabular output not generated.

Title: >US-08-794-795-5  
Description: (1-1560) from US08794795.seq  
Perfect Score: 1560  
N.A. Sequence: 1 ATGAGAAATAAGAAATCT.....CAGGCGTGGAGTGCAGCGTC 1560  
Comp: TACTCTTTATCTTTTAAGA.....GTCCGCACCTCAGTCGCAGScoring table: TABLE default  
Gap 6

Nmatch STD: Dbase 0; Query 0

Searched: 1460335 seqs, 471452172 bases x 2

Post-processing: Minimum Match 0%  
Listing first 45 summariesDatabase: n-pending  
1:P9 2:U6000 3:U6001 4:U6002 5:U6003 6:U6004 7:U6005  
8:U6006 9:U6007 10:U6008 11:U7 12:U80 13:U81 14:U82  
15:U83 16:U84A 17:U84B 18:U85 19:U86 20:U87 21:U88  
22:U89 23:U90A 24:U90B 25:U91 26:NEWP 27:NEWU8 28:NEWU9

Statistics: Mean 10.635; Variance 4.217; scale 2.522

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

## SUMMARIES

Result	No.	Score	Match	Length	DB	ID	Description	Pred. No.
1	1560	100.0	1560	20	US-08-794-	Sequence 5, Applicatio	0.00e+00	
2	1558	99.9	1835	22	US-08-934-	Sequence 2, Applicatio	0.00e+00	
3	1523	97.6	1703	20	US-08-794-	Sequence 1, Applicatio	0.00e+00	
4	1023	65.6	1323	23	US-09-023-	Sequence 813, Applicat	0.00e+00	
5	742	47.6	775	21	US-08-837-	Sequence 1335, Applica	0.00e+00	
6	666	42.7	1868	21	US-08-893-	Sequence 1, Applicatio	0.00e+00	
7	309	19.8	311	24	US-09-057-	Sequence 358, Applicat	2.32e-284	
8	269	17.2	269	21	US-08-801-	Sequence 148, Applicat	4.20e-242	
9	252	16.2	252	5	US-60-039-	Sequence 1236, Applica	3.24e-224	
10	250	16.0	250	21	US-08-808-	Sequence 5073, Applica	4.10e-222	
11	247	15.8	251	20	US-08-770-	Sequence 3424, Applica	5.79e-219	
12	242	15.5	246	23	US-09-016-	Sequence 839, Applicat	1.02e-213	
13	241	15.4	241	7	US-60-051-	Sequence 163, Applicat	1.15e-212	
14	239	15.3	242	21	US-08-810-	Sequence 2282, Applica	1.43e-210	
15	228	14.6	228	20	US-08-770-	Sequence 3302, Applica	4.75e-199	
16	218	14.0	218	20	US-08-770-	Sequence 164, Applicat	1.34e-188	
17	218	14.0	218	2	US-60-009-	Sequence 164, Applicat	1.34e-188	

18	216	13.8	218	4	US-60-023-	Sequence 1670, Applica	1.64e-186
19	215	13.8	220	16	US-08-413-	Sequence 265, Applicat	1.81e-185
20	206	13.2	207	4	US-60-020-	Sequence 1145, Applica	4.32e-176
21	199	12.8	211	20	US-08-770-	Sequence 93, Applicati	8.23e-169
22	199	12.8	211	2	US-60-009-	Sequence 93, Applicati	8.23e-169
23	197	12.6	219	20	US-08-770-	Sequence 4015, Applica	9.84e-167
24	192	12.3	294	20	US-08-770-	Sequence 4110, Applica	1.52e-161
25	190	12.2	203	20	US-08-770-	Sequence 4448, Applica	1.80e-159
26	188	12.1	203	16	US-08-412-	Sequence 1358, Applica	2.12e-157
27	186	11.9	239	21	US-08-803-	Sequence 5482, Applica	2.50e-155
28	185	11.9	243	23	US-09-016-	Sequence 889, Applicat	2.71e-154
29	183	11.7	220	21	US-08-801-	Sequence 1564, Applica	3.17e-152
30	179	11.5	226	4	US-60-023-	Sequence 1927, Applica	4.32e-148
31	171	11.0	207	22	US-08-951-	Sequence 793, Applicat	7.68e-140
32	165	10.6	222	3	US-60-010-	Sequence 515, Applicat	1.14e-133
33	165	10.6	222	21	US-08-801-	Sequence 2393, Applica	1.14e-133
34	159	10.2	590	21	US-08-837-	Sequence 915, Applicat	1.64e-127
35	146	9.4	218	4	US-60-025-	Sequence 260, Applicat	3.15e-114
36	146	9.4	218	22	US-08-903-	Sequence 2238, Applica	3.15e-114
37	147	9.4	227	16	US-08-420-	Sequence 523, Applicat	3.02e-115
38	136	8.7	186	4	US-60-023-	Sequence 396, Applicat	4.55e-104
c 39	133	8.5	7218	17	US-08-466-	Sequence 14, Applicati	4.94e-101
40	129	8.3	165	3	US-60-013-	Sequence 158, Applicat	5.42e-97
41	129	8.3	165	21	US-08-808-	Sequence 158, Applicat	5.42e-97
42	112	7.2	265	20	US-08-770-	Sequence 5209, Applica	5.94e-80
43	99	6.3	578	18	US-08-569-	Sequence 14, Applicati	4.30e-67
44	99	6.3	578	19	US-08-624-	Sequence 14, Applicati	4.30e-67
45	96	6.2	248	21	US-08-810-	Sequence 382, Applicat	3.77e-64

## ALIGNMENTS

RESULT 1  
ID US-08-794-795-5 STANDARD; DNA; UNC; 1560 BP.  
AC xxxxxx  
DT  
DE Sequence 5, Application US/08794795  
CC Sequence 5, Application US/08794795  
CC GENERAL INFORMATION:  
CC APPLICANT: Elshourlagy, Nabil  
CC APPLICANT: Adamou, John  
CC APPLICANT: Gross, Mitchell  
CC APPLICANT: Lysko, Paul  
CC TITLE OF INVENTION: Human Macro Scavenger Rec  
CC TITLE OF INVENTION: eptor  
CC NUMBER OF SEQUENCES: 9  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: SmithKline Beecham Corporation  
CC STREET: 709 Swedeland Road  
CC CITY: King of Prussia  
CC STATE: PA  
CC COUNTRY: USA  
CC ZIP: 19406  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Diskette  
CC COMPUTER: IBM Compatible  
CC OPERATING SYSTEM: DOS  
CC SOFTWARE: FastSEQ for Windows Version 2.0  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/794,795  
CC FILING DATE: 04-FEB-1997  
CC CLASSIFICATION: 435  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: ATG50009P  
CC FILING DATE: 22-MAY-1996  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Han, William T  
CC REGISTRATION NUMBER: 34,344  
CC REFERENCE/DOCKET NUMBER: ATG50009  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 610-270-5219  
CC TELEFAX: 610-270-4026  
CC TELEX:

CC INFORMATION FOR SEQ ID NO: 5:

CC SEQUENCE CHARACTERISTICS:

CC LENGTH: 1560 base pairs

CC TYPE: nucleic acid

CC STRANDEDNESS: single

CC TOPOLOGY: linear

CC MOLECULE TYPE: cDNA

SQ SEQUENCE 1560 BP; 389 A; 387 C; 533 G; 251 T; 0 OTHER.

Query Match 100.0%; Score 1560; DB 20; Length 1560;

Best Local Similarity 100.0%; Pred. No. 0.00e+00;

Matches 1560; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 ATGAGAAATAAGAAAATTCTCAAGGAGGACGAGCTCTTGAGTGAGACCAACAGCTGCT 60  
Qy 1 ATGAGAAATAAGAAAATTCTCAAGGAGGACGAGCTCTTGAGTGAGACCAACAGCTGCT 60

Db 61 TTTCACCAAAATGCAATGGAGCCTTTGAAATCAATGTTCCAAGGCCAAGAGGAGAAAT 120  
Qy 61 TTTCACCAAAATGCAATGGAGCCTTTGAAATCAATGTTCCAAGGCCAAGAGGAGAAAT 120

Db 121 GGGGTGAACCTTCTCCCTAGCTGTGGTGTCTACCTGATCTGCTCACCCTGGCGCT 180  
Qy 121 GGGGTGAACCTTCTCCCTAGCTGTGGTGTCTACCTGATCTGCTCACCCTGGCGCT 180

Db 181 GGGCTGCTGTGGTCCAAGTTCTGAATCTGACGCGCGGCTCCGGGTCTGGAGATGAT 240  
Qy 181 GGGCTGCTGTGGTCCAAGTTCTGAATCTGACGCGCGGCTCCGGGTCTGGAGATGAT 240

Db 241 TTCTCAATGACACTCTGGCGGTGAGGACAGCCCTCTCTCTCTGCTGACGTACGA 300  
Qy 241 TTCTCAATGACACTCTGGCGGTGAGGACAGCCCTCTCTCTCTGCTGACGTACGA 300

Db 301 CACCTGGGAGAACACCTGGCTCAGGGTGCATGAGGCTGCAAGTCTGACAGGCCAACT 360  
Qy 301 CACCTGGGAGAACACCTGGCTCAGGGTGCATGAGGCTGCAAGTCTGACAGGCCAACT 360

Db 361 ACCTGGGTCCGCGTCAGCCATGAGCACTTGCTGCAGCGGTAGACAACTTCACTCAGAAC 420  
Qy 361 ACCTGGGTCCGCGTCAGCCATGAGCACTTGCTGCAGCGGTAGACAACTTCACTCAGAAC 420

Db 421 CCAGGGATGTTGAGAATCAAAGGTGAACAAGGCGCCAGGTCTTCAAGGTCACAAGGG 480  
Qy 421 CCAGGGATGTTGAGAATCAAAGGTGAACAAGGCGCCAGGTCTTCAAGGTCACAAGGG 480

Db 481 GCCATGGGCATGCTTGGTCCCCCTGGCCCCCGGACCACTGCTGAGAAGGAGCCAAG 540  
Qy 481 GCCATGGGCATGCTTGGTCCCCCTGGCCCCCGGACCACTGCTGAGAAGGAGCCAAG 540

Db 541 GGGGCTATGGGACGAGATGGAGCAACAGGCCCTCGGACCCCAAGGCCACCGGGAGTC 600  
Qy 541 GGGGCTATGGGACGAGATGGAGCAACAGGCCCTCGGACCCCAAGGCCACCGGGAGTC 600

Db 601 AAGGGAGAGGGGGCTCCAAGGACCCAGGGTGTCTCAGGGAAGCAAGGAGCCACTGGC 660  
Qy 601 AAGGGAGAGGGGGCTCCAAGGACCCAGGGTGTCTCAGGGAAGCAAGGAGCCACTGGC 660

Db 661 ACCCCAGGACCCCAAGGAGAGAAGGGCAGCAAGGCGATGGGGTCTCATTTGGCCCAAA 720  
Qy 661 ACCCCAGGACCCCAAGGAGAGAAGGGCAGCAAGGCGATGGGGTCTCATTTGGCCCAAA 720

Db 721 GGGGAACTGGAATTAAGGGAGAGAAGGAGACCTGGGTCTCCAGGAAGCAAGGGGAC 780  
Qy 721 GGGGAACTGGAATTAAGGGAGAGAAGGAGACCTGGGTCTCCAGGAAGCAAGGGGAC 780

Db 781 AGGGGCATGAAAGGAGATGCAGGGTCTAGGGGCTCTGGAGCCAGGGGATAAAGGT 840  
Qy 781 AGGGGCATGAAAGGAGATGCAGGGTCTAGGGGCTCTGGAGCCAGGGGATAAAGGT 840

Db 841 GACTTCGGGAGGCCAGGCCACAGGTTTGGCTGTTTCTCTGGAGTAAAGGAGATCAA 900  
Qy 841 GACTTCGGGAGGCCAGGCCACAGGTTTGGCTGTTTCTCTGGAGTAAAGGAGATCAA 900

Db 901 GGACAACCTGGACTGCAGGGTGTTCGGGCCCTCTGGTGAGTGGGACACCCAGGTGCC 960  
Qy 901 GGACAACCTGGACTGCAGGGTGTTCGGGCCCTCTGGTGAGTGGGACACCCAGGTGCC 960

Db 961 AAGGGTGAGCCTGGCAGTGTGGTCCCCCTGGGCGAGCAGGACTTCCAGGGAGCCCCGG 1020  
Qy 961 AAGGGTGAGCCTGGCAGTGTGGTCCCCCTGGGCGAGCAGGACTTCCAGGGAGCCCCGG 1020

Db 1021 AGTCCAGGAGCCACAGGCTGAAAGGAAGCAAGGGGACACAGGACTTCAAGGACAGCAA 1080  
Qy 1021 AGTCCAGGAGCCACAGGCTGAAAGGAAGCAAGGGGACACAGGACTTCAAGGACAGCAA 1080

Db 1081 GGAAGAAAAGAGAATCAGGAGTTCAGGCCCTGCAGGTGTGAAGGAGAACAGGGGAGC 1140  
Qy 1081 GGAAGAAAAGAGAATCAGGAGTTCAGGCCCTGCAGGTGTGAAGGAGAACAGGGGAGC 1140

Db 1141 CCAGGGCTGGCAGGTCCCAAGGGAGCCCCCTGGACAAGCTGGCCAGAAGGAGACCAGGGA 1200  
Qy 1141 CCAGGGCTGGCAGGTCCCAAGGGAGCCCCCTGGACAAGCTGGCCAGAAGGAGACCAGGGA 1200

Db 1201 GTGAAAGGATCTTCTGGGGAGCAAGGAGTAAAGGGAGAAAAGGTGAAAGGTTGAAAAC 1260  
Qy 1201 GTGAAAGGATCTTCTGGGGAGCAAGGAGTAAAGGGAGAAAAGGTGAAAGGTTGAAAAC 1260

Db 1261 TCAGTGTCCGTGAGGATTTGTCGGCAGTAGTAACCGAGGCCGGGTGAAGTTTACTACAGT 1320  
Qy 1261 TCAGTGTCCGTGAGGATTTGTCGGCAGTAGTAACCGAGGCCGGGTGAAGTTTACTACAGT 1320

Db 1321 GGTACCTGGGGACAATTGCGATGACGAGTGGCAAAATCTGATGCCATTGTCTCTGC 1380  
Qy 1321 GGTACCTGGGGACAATTGCGATGACGAGTGGCAAAATCTGATGCCATTGTCTCTGC 1380

Db 1381 CGCATGCTGGGTACTCCAAAGGAAGGGCCCTGTACAAAGTGGGAGCTGGCACTGGGCAG 1440  
Qy 1381 CGCATGCTGGGTACTCCAAAGGAAGGGCCCTGTACAAAGTGGGAGCTGGCACTGGGCAG 1440

Db 1441 ATCTGGCTGGATAATGTTCAAGTGTGCGGGCAGGAGAGTACCTGTGGAGCTGCACCAAG 1500  
Qy 1441 ATCTGGCTGGATAATGTTCAAGTGTGCGGGCAGGAGAGTACCTGTGGAGCTGCACCAAG 1500

Db 1501 AATAGCTGGGGCATCATGACTGCAGCCACGAGGAGGACGAGCGTGGAGTGCAGCGTC 1560  
Qy 1501 AATAGCTGGGGCATCATGACTGCAGCCACGAGGAGGACGAGCGTGGAGTGCAGCGTC 1560

## RESULT 2

ID US-08-934-168-2 STANDARD; DNA; UNC; 1835 BP.

AC xxxxxx

DT

DE Sequence 2, Application US/08934168

CC Sequence 2, Application US/08934168

GENERAL INFORMATION:

CC APPLICANT: Bandman, Olga

CC APPLICANT: Lal, Preeti

CC APPLICANT: Corley, Neil C.

CC APPLICANT: Shah, Purvi

CC TITLE OF INVENTION: HUMAN MARCO

CC NUMBER OF SEQUENCES: 3

CC CORRESPONDENCE ADDRESS:

CC ADDRESSEE: Incyte Pharmaceuticals, Inc.

CC STREET: 3174 Porter Drive

CC CITY: Palo Alto

CC STATE: CA

CC COUNTRY: USA

CC ZIP: 94304

CC COMPUTER READABLE FORM:

CC MEDIUM TYPE: Diskette

CC COMPUTER: IBM Compatible

CC OPERATING SYSTEM: DOS

CC SOFTWARE: FastSeq for Windows Version 2.0

CC CURRENT APPLICATION DATA:

CC APPLICATION NUMBER: US/08/934,168

CC FILING DATE: Herewith

CC CLASSIFICATION: 435  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER:  
CC FILING DATE:  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Billings, Lucy J.  
CC REGISTRATION NUMBER: 36,749  
CC REFERENCE/DOCKET NUMBER: PF-0392 US  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 650-855-0555  
CC TELEFAX: 650-845-4166  
CC TELEX:  
CC INFORMATION FOR SEQ ID NO: 2:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 1835 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC IMMEDIATE SOURCE:  
CC LIBRARY: MMLR3DT01  
CC CLONE: 569648  
SQ SEQUENCE 1835 BP; 454 A; 451 C; 610 G; 320 T; 0 OTHER.

Query Match 99.9%; Score 1558; DB 22; Length 1835;  
Best Local Similarity 99.9%; Pred. No. 0.00e+00;  
Matches 1559; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Db 119 ATGAGAAATAAGAAAATTCCTCAAGGAGGACGAGCTCTTGAGTGAGACCAACAAGCTGCT 178  
|||||  
Qy 1 ATGAGAAATAAGAAAATTCCTCAAGGAGGACGAGCTCTTGAGTGAGACCAACAAGCTGCT 60  
|||||  
Db 179 TTTCACCAAAATGCAATGGAGCCTTTTCAAATCAATGTTCCAAAGCCCAAGAGGAGAAAT 238  
|||||  
Qy 61 TTTCACCAAAATGCAATGGAGCCTTTTCAAATCAATGTTCCAAAGCCCAAGAGGAGAAAT 120  
|||||  
Db 239 GGGGTGAATCTCTCCCTAGCTGTGGTGTCTACCTGATCCTGCTCACCCTGGCGCT 298  
|||||  
Qy 121 GGGGTGAATCTCTCCCTAGCTGTGGTGTCTACCTGATCCTGCTCACCCTGGCGCT 180  
|||||  
Db 299 GGGCTGCTGGTGGTCCAAGTCTGAATCTGACGGCGCGGCTCCGGGTCTGGAGATGAT 358  
|||||  
Qy 181 GGGCTGCTGGTGGTCCAAGTCTGAATCTGACGGCGCGGCTCCGGGTCTGGAGATGAT 240  
|||||  
Db 359 TTCTCTCAATGACACTCTGGCGGTGAGGACAGCCGCTCTCTCTGCTGAGTCAGCA 418  
|||||  
Qy 241 TTCTCTCAATGACACTCTGGCGGTGAGGACAGCCGCTCTCTCTGCTGAGTCAGCA 300  
|||||  
Db 419 CACCTGGGAGAACACCTGGCTCAGGGTGCATCGAGGCTGCAAGTCTGACAGGCCAACTC 478  
|||||  
Qy 301 CACCTGGGAGAACACCTGGCTCAGGGTGCATCGAGGCTGCAAGTCTGACAGGCCAACTC 360  
|||||  
Db 479 ACCTGGGTCCGCGTCAGCCATGAGCACTTGCTGCAGCGGTAGACAACTTCACTCAGAAC 538  
|||||  
Qy 361 ACCTGGGTCCGCGTCAGCCATGAGCACTTGCTGCAGCGGTAGACAACTTCACTCAGAAC 420  
|||||  
Db 539 CCAGGGATGTTTCAAGTGAACAAGGCGCCCAAGGTCTTCAAGTCAACAAGGG 598  
|||||  
Qy 421 CCAGGGATGTTTCAAGTGAACAAGGCGCCCAAGGTCTTCAAGTCAACAAGGG 480  
|||||  
Db 599 GCCATGGGCATGCTGTGCCCTGGCCCGCCGGGACCACTGCTGAGAAGGGAGCCAAG 658  
|||||  
Qy 481 GCCATGGGCATGCTGTGTGCCCTGGCCCGCCGGGACCACTGCTGAGAAGGGAGCCAAG 540  
|||||  
Db 659 GGGGCTATGGGACGAGATGGAGCAACAGGCCCCCTCGGACCCCAAGGCCACCGGGAGTC 718  
|||||  
Qy 541 GGGGCTATGGGACGAGATGGAGCAACAGGCCCCCTCGGACCCCAAGGCCACCGGGAGTC 600  
|||||  
Db 719 AAGGGAGAGGCGGGCTCCAAGGACCCAGGTGCTCCAGGAAGCAAGGAGCCACTGGC 778  
|||||  
Qy 601 AAGGGAGAGGCGGGCTCCAAGGACCCAGGTGCTCCAGGAAGCAAGGAGCCACTGGC 660  
|||||  
Db 779 ACCCCAGGACCCCAAGGAGAGAAGGGCAGCAAGGCGCATGGGGTCTCATTGGCCCAAA 838  
|||||

Qy 661 ACCCCAGGACCCCAAGGAGAGAAGGGCAGCAAGGCGATGGGGTCTCATTGGCCCAAA 720  
Db 839 GGGGAACTGGAACCTAAGGGAGAGAAGGAGACCTGGGTCTCCAGGAAGCAAGGGGAC 898  
|||||  
Qy 721 GGGGAACTGGAACCTAAGGGAGAGAAGGAGACCTGGGTCTCCAGGAAGCAAGGGGAC 780  
|||||  
Db 899 AGGGGCATGAAAGGAGATGCAGGGGTCTATGGGCTCTGGAGCCAGGGGAGTAAAGT 958  
|||||  
Qy 781 AGGGGCATGAAAGGAGATGCAGGGGTCTATGGGCTCTGGAGCCAGGGGAGTAAAGT 840  
|||||  
Db 959 GACTTCGGGAGGTAGGCCACCAGGTTTGGCTGTTTCTGGAGCTAAAGGAGATCAA 1018  
|||||  
Qy 841 GACTTCGGGAGGTAGGCCACCAGGTTTGGCTGTTTCTGGAGCTAAAGGAGATCAA 900  
|||||  
Db 1019 GGACAACCTGGACTGCAGGGGTGTTCGGGCCCTCTGGTGCAGTGGGACACCCAGTGCC 1078  
|||||  
Qy 901 GGACAACCTGGACTGCAGGGGTGTTCGGGCCCTCTGGTGCAGTGGGACACCCAGTGCC 960  
|||||  
Db 1079 AAGGGTGAGCCTGGCAGTGTGGTCCCCCTGGGCGAGCAGGACTTCCAGGGAGCCCCGG 1138  
|||||  
Qy 961 AAGGGTGAGCCTGGCAGTGTGGTCCCCCTGGGCGAGCAGGACTTCCAGGGAGCCCCGG 1020  
|||||  
Db 1139 AGTCCAGGAGCCACAGGCTGAAAGGAAGCAAGGGGACACAGGACTTCAAGGACAGCAA 1198  
|||||  
Qy 1021 AGTCCAGGAGCCACAGGCTGAAAGGAAGCAAGGGGACACAGGACTTCAAGGACAGCAA 1080  
|||||  
Db 1199 GGAAGAAAAGGAGAATCAGGAGTTCCAGGCCCTGCAGGTGTGAAGGGAGAACAGGGGAGC 1258  
|||||  
Qy 1081 GGAAGAAAAGGAGAATCAGGAGTTCCAGGCCCTGCAGGTGTGAAGGGAGAACAGGGGAGC 1140  
|||||  
Db 1259 CCAGGGCTGGCAGGTCCCAGGGAGCCCTGGACAAAGTGGCCAGAGGGAGACACGGGA 1318  
|||||  
Qy 1141 CCAGGGCTGGCAGGTCCCAGGGAGCCCTGGACAAAGTGGCCAGAGGGAGACACGGGA 1200  
|||||  
Db 1319 GTGAAAGGATCTTCTGGGGAGCAAGGAGTAAAGGGAGAAAAGGTGAAAGAGGTGAAAC 1378  
|||||  
Qy 1201 GTGAAAGGATCTTCTGGGGAGCAAGGAGTAAAGGGAGAAAAGGTGAAAGAGGTGAAAC 1260  
|||||  
Db 1379 TCAGTGTCCGTGAGGATTGTGCGGAGTAGTAACCGAGGCCGGCTGAAGTTTACTACAGT 1438  
|||||  
Qy 1261 TCAGTGTCCGTGAGGATTGTGCGGAGTAGTAACCGAGGCCGGCTGAAGTTTACTACAGT 1320  
|||||  
Db 1439 GGTACCTGGGGGACAATTTGCGATGACGAGTGGCAAAATTTGATGCCATTGTCTTCTG 1498  
|||||  
Qy 1321 GGTACCTGGGGGACAATTTGCGATGACGAGTGGCAAAATTTGATGCCATTGTCTTCTG 1380  
|||||  
Db 1499 CGCATGCTGGGTTACTCCAAAGGAAGGGCCCTGTACAAAGTGGGAGCTGGCACTGGGCG 1558  
|||||  
Qy 1381 CGCATGCTGGGTTACTCCAAAGGAAGGGCCCTGTACAAAGTGGGAGCTGGCACTGGGCG 1440  
|||||  
Db 1559 ATCTGGCTGGATAATGTTTCAAGTGTGCGGGCACGGAGAGTACCTGTGGAGCTGCACCAAG 1618  
|||||  
Qy 1441 ATCTGGCTGGATAATGTTTCAAGTGTGCGGGCACGGAGAGTACCTGTGGAGCTGCACCAAG 1500  
|||||  
Db 1619 AATAGCTGGGGCCATCATGACTGCAGCCACGAGGAGGACGAGGCTGGAGTGCAGCGTC 1678  
|||||  
Qy 1501 AATAGCTGGGGCCATCATGACTGCAGCCACGAGGAGGACGAGGCTGGAGTGCAGCGTC 1560  
|||||

## RESULT 3

ID US-08-794-795-1 STANDARD; DNA; UNC; 1703 BP.

AC xxxxxx

DT

DE Sequence 1, Application US/08794795

CC Sequence 1, Application US/08794795

## GENERAL INFORMATION:

CC APPLICANT: Elshourlagy, Nabil

CC APPLICANT: Adamou, John

CC APPLICANT: Gross, Mitchell

CC APPLICANT: Lysko, Paul

CC TITLE OF INVENTION: Human Macro Scavenger Rec

CC TITLE OF INVENTION: eptor

CC NUMBER OF SEQUENCES: 9

CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: SmithKline Beecham Corporation  
CC STREET: 709 Swedeland Road  
CC CITY: King of Prussia  
CC STATE: PA  
CC COUNTRY: USA  
CC ZIP: 19406  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Diskette  
CC COMPUTER: IBM Compatible  
CC OPERATING SYSTEM: DOS  
CC SOFTWARE: FastSEQ for Windows Version 2.0  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/794,795  
CC FILING DATE: 04-FEB-1996  
CC CLASSIFICATION: 435  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: ATG50009P  
CC FILING DATE: 22-MAY-1996  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Han, William T  
CC REGISTRATION NUMBER: 34,344  
CC REFERENCE/DOCKET NUMBER: ATG50009  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 610-270-5219  
CC TELEFAX: 610-270-4026  
CC TELEX:  
CC INFORMATION FOR SEQ ID NO: 1:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 1703 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: cDNA  
SQ SEQUENCE 1703 BP; 437 A; 423 C; 567 G; 275 T; 1 OTHER.

Query Match 97.6%; Score 1523; DB 20; Length 1703;  
Best Local Similarity 99.9%; Pred. No. 0.00e+00;  
Matches 1530; Conservative 0; Mismatches 1; Indels 1; Gaps 1;

Db 4 ACAGAGCTCTTGAGTGAGACCAACAGCTGCTTTTACCANAATTGCAATGGAGCCTTTTCG 63  
|||||  
Qy 29 ACAGAGCTCTTGAGTGAGACCAACAGCTGCTTTTACCANAATTGCAATGGAGCCTTTTCG 88  
|||||  
Db 64 AAATCAATGTTTCCAAAGCCCAAGAGGAGAAATGGGGTGAATCTCTCCTAGCTGTGGTGG 123  
|||||  
Qy 89 AAATCAATGTTTCCAAAGCCCAAGAGGAGAAATGGGGTGAATCTCTCCTAGCTGTGGTGG 148  
|||||  
Db 124 TCATCTACCTGATCCTGCTCACCGCTGGCGCTGGGGTCTGCTGGTGTCCAAAGTTCTGAATC 183  
|||||  
Qy 149 TCATCTACCTGATCCTGCTCACCGCTGGCGCTGGGGTCTGCTGGTGTCCAAAGTTCTGAATC 208  
|||||  
Db 184 TGCAGGCGCGGCTCCGGTCTGGAGATGTAATTCCTCAATGACACTCTGGCGCTGAGG 243  
|||||  
Qy 209 TGCAGGCGCGGCTCCGGTCTGGAGATGTAATTCCTCAATGACACTCTGGCGCTGAGG 268  
|||||  
Db 244 ACAGCCCGTCTTCTCTCTGCTGCAGTCAGCACACCTGGAGAACCTGGCTCAGGGTG 303  
|||||  
Qy 269 ACAGCCCGTCTTCTCTCTGCTGCAGTCAGCACACCTGGAGAACCTGGCTCAGGGTG 328  
|||||  
Db 304 CATCGAGGCTGCAAGTCTGCAAGGCCCACTACCTGGGTCCGCGTCAGCCATGAGCACT 363  
|||||  
Qy 329 CATCGAGGCTGCAAGTCTGCAAGGCCCACTACCTGGGTCCGCGTCAGCCATGAGCACT 388  
|||||  
Db 364 TGCTGCAGCGGGTAGACAACTTCACTCAGAACCCAGGGATGTTCAAGATCAAGGTGAAC 423  
|||||  
Qy 389 TGCTGCAGCGGGTAGACAACTTCACTCAGAACCCAGGGATGTTCAAGATCAAGGTGAAC 448  
|||||  
Db 424 AAGGCGCCCCAGGTCTTCAAGGTCACAAGGGGGCCATGGGCATGCTGGTGCCCCCTGGCC 483  
|||||  
Qy 449 AAGGCGCCCCAGGTCTTCAAGGTCACAAGGGGGCCATGGGCATGCTGGTGCCCCCTGGCC 508  
|||||  
Db 484 CGCCGGGACCACCTGCTGAGAAGGGAGCCAAGGGGGCTATGGGACGAGATGGAACACAG 543

|||||  
Qy 509 CGCCGGGACCACCTGCTGAGAAGGGAGCCAAGGGGGCTATGGGACGAGATGGAGCAACAG 568  
|||||  
Db 544 GCCCTCGGGACCCCAAGGCCACCGGAGTCAAGGGAGAGCGGGCTCCAAGGACCCC 603  
|||||  
Qy 569 GCCCTCGGGACCCCAAGGCCACCGGAGTCAAGGGAGAGCGGGCTCCAAGGACCCC 628  
|||||  
Db 604 AGGGTGCTCCAGGGAAGCAAGGAGCCACTGGCACCACCCAGGACCCCAAGGAGAGAAGGGCA 663  
|||||  
Qy 629 AGGGTGCTCCAGGGAAGCAAGGAGCCACTGGCACCACCCAGGACCCCAAGGAGAGAAGGGCA 688  
|||||  
Db 664 GCAAAGGCGATGGGGTCTCATTTGGCCAAAAGGGGAACTGGAATAAGGGAGAGAAAAG 723  
|||||  
Qy 689 GCAAAGGCGATGGGGTCTCATTTGGCCAAAAGGGGAACTGGAATAAGGGAGAGAAAAG 748  
|||||  
Db 724 GAGACCTGGGTCTCCAGGAAGCAAGGGGACAGGGGATGAAAGGAGATGCAGGGGTCA 783  
|||||  
Qy 749 GAGACCTGGGTCTCCAGGAAGCAAGGGGACAGGGGATGAAAGGAGATGCAGGGGTCA 808  
|||||  
Db 784 TGGGGCCTCTGGAGCCCAAGGGAGTAAAGGTGACTTCGGAGGCCAGGCCACCAAGGTT 843  
|||||  
Qy 809 TGGGGCCTCTGGAGCCCAAGGGAGTAAAGGTGACTTCGGAGGCCAGGCCACCAAGGTT 868  
|||||  
Db 844 TGGCTGGTTTTCTCTGGAGCTAAAGGAGATCAAGGACAACCTGGACTGCAGGGTGTCCGG 903  
|||||  
Qy 869 TGGCTGGTTTTCTCTGGAGCTAAAGGAGATCAAGGACAACCTGGACTGCAGGGTGTCCGG 928  
|||||  
Db 904 GCCCTCCTGGTGCAGTGGGACACCCAGGTGCCAAGGGTGAGCCTGGCAGTGTGGTCCC 963  
|||||  
Qy 929 GCCCTCCTGGTGCAGTGGGACACCCAGGTGCCAAGGGTGAGCCTGGCAGTGTGGTCCC 988  
|||||  
Db 964 CTGGGCGAGCAGGACTTCCAGGGAGCCCGGGAGTCCAGGAGCCACAGGCTGAAAGGAA 1023  
|||||  
Qy 989 CTGGGCGAGCAGGACTTCCAGGGAGCCCGGGAGTCCAGGAGCCACAGGCTGAAAGGAA 1048  
|||||  
Db 1024 GCAAAGGGGACACAGGACTTCAAGGACAGCAAGGAAGAAAAGGAGATCAGGAGTTCCAG 1083  
|||||  
Qy 1049 GCAAAGGGGACACAGGACTTCAAGGACAGCAAGGAAGAAAAGGAGATCAGGAGTTCCAG 1108  
|||||  
Db 1084 GCCCTGCAGGTGTGAAGGGAGAACAGGGGAGCCAGGGTGGCAGGTCCCAAGGAGGCC 1143  
|||||  
Qy 1109 GCCCTGCAGGTGTGAAGGGAGAACAGGGGAGCCAGGGTGGCAGGTCCCAAGGAGGCC 1168  
|||||  
Db 1144 CTGACAAGCTGGCCAGAAGGGAGACCAGGGAGTGAAGGATCTTCTGGGGAGCAAGGAG 1203  
|||||  
Qy 1169 CTGACAAGCTGGCCAGAAGGGAGACCAGGGAGTGAAGGATCTTCTGGGGAGCAAGGAG 1228  
|||||  
Db 1204 TAAAGGGAGAAAAGGTGAAGAGGTGAAACTCAGTGTCCGTCAGGATTGTGGGCAGTA 1263  
|||||  
Qy 1229 TAAAGGGAGAAAAGGTGAAGAGGTGAAACTCAGTGTCCGTCAGGATTGTGGGCAGTA 1288  
|||||  
Db 1264 GTAACCGAGGCGGGCTGAAGTTTACTACAGTGTACCTGGGGGACAATTTGCGATGACG 1323  
|||||  
Qy 1289 GTAACCGAGGCGGGCTGAAGTTTACTACAGTGTACCTGGGGGACAATTTGCGATGACG 1348  
|||||  
Db 1324 AGTGGCAAAATCTGATGCCATTGTCTTCTGCCGATGCTGGGT-ACTCAAAGGAAGGG 1382  
|||||  
Qy 1349 AGTGGCAAAATCTGATGCCATTGTCTTCTGCCGATGCTGGGTACTCAAAGGAAGGG 1408  
|||||  
Db 1383 CCCTGTACAAAGTGGGAGCTGGCACTGGGCAGATCTGGCTGGATAATGTTCAAGTGTGGG 1442  
|||||  
Qy 1409 CCCTGTACAAAGTGGGAGCTGGCACTGGGCAGATCTGGCTGGATAATGTTCAAGTGTGGG 1468  
|||||  
Db 1443 GCACGGAGAGTACCTGTGGAGCTGCACCAAGAATAGTGGGGCCATCATGACTGCAGCC 1502  
|||||  
Qy 1469 GCACGGAGAGTACCTGTGGAGCTGCACCAAGAATAGTGGGGCCATCATGACTGCAGCC 1528  
|||||  
Db 1503 ACGAGGAGGACGAGGCGTGGAGTGCAGCGTC 1534  
|||||  
Qy 1529 ACGAGGAGGACGAGGCGTGGAGTGCAGCGTC 1560

RESULT 4

ID US-09-023-655-813 STANDARD; DNA; UNC; 1323 BP.

AC xxxxxx

DT

DE Sequence 813, Application US/09023655

CC Sequence 813, Application US/09023655

CC GENERAL INFORMATION:

CC APPLICANT: Cocks, Benjamin G.

CC APPLICANT: Susan G. Stuart

CC APPLICANT: Jeffrey J. Seilhamer

CC TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE

CC TITLE OF INVENTION: EXPRESSION

CC NUMBER OF SEQUENCES: 1508

CC CORRESPONDENCE ADDRESS:

CC ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

CC STREET: 3174 PORTER DRIVE

CC CITY: PALO ALTO

CC STATE: CALIFORNIA

CC COUNTRY: USA

CC ZIP: 94304

CC COMPUTER READABLE FORM:

CC MEDIUM TYPE: Floppy disk

CC COMPUTER: IBM PC compatible

CC OPERATING SYSTEM: PC-DOS/MS-DOS

CC SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2

CC CURRENT APPLICATION DATA:

CC APPLICATION NUMBER: US/09/023,655

CC FILING DATE: HERewith

CC CLASSIFICATION:

CC PRIOR APPLICATION DATA:

CC APPLICATION NUMBER:

CC FILING DATE:

CC CLASSIFICATION:

CC ATTORNEY/AGENT INFORMATION:

CC NAME: Zeller, Karen J.

CC REGISTRATION NUMBER: 37,071

CC REFERENCE/DOCKET NUMBER: PA-0001 US

CC TELECOMMUNICATION INFORMATION:

CC TELEPHONE: (650) 855-0555

CC TELEFAX: (650) 845-4166

CC INFORMATION FOR SEQ ID NO: 813:

CC SEQUENCE CHARACTERISTICS:

CC LENGTH: 1323 base pairs

CC TYPE: nucleic acid

CC STRANDEDNESS: single

CC TOPOLOGY: linear

CC IMMEDIATE SOURCE:

CC LIBRARY: LUNGNOT04

CC CLONE: 768545

SQ SEQUENCE 1323 BP; 331 A; 312 C; 471 G; 204 T; 5 OTHER.

Query Match 65.6%; Score 1023; DB 23; Length 1323;  
Best Local Similarity 98.4%; Pred. No. 0.00e+00;  
Matches 1091; Conservative 0; Mismatches 7; Indels 11; Gaps 11;

Db 68 GGTCTTCAAGGTCACAAGGNGCCATGGGCGTGGGCGCCCGGGACCA 127

Qy 460 GGTCTTCAAGGTCACAAGGNGCCATGGGCGTGGGCGCCCGGGACCA 519

Db 128 CCTGCNGAGAAGGGAGCCAAAGGGGCTATGGGACGAGATGGAGCAACAGGCCCTCGGGA 187

Qy 520 CCTGCTGAGAAGGGAGCCAAAGGGGCTATGGGACGAGATGGAGCAACAGGCCCTCGGGA 579

Db 188 CCCCAGGCCACCGGGAGTCAAGGAGAGGGCGGCTCCAAGGACCCAGGGTGTCCA 247

Qy 580 CCCCAGGCCACCGGGAGTCAAGGAGAGGGCGGCTCCAAGGACCCAGGGTGTCCA 639

Db 248 GGAAGCAAGGAGCCACTGGCACCAGGACCCCAAGGAGAGAAGGGCAGCAAGGCGAT 307

Qy 640 GGAAGCAAGGAGCCACTGGCACCAGGACCCCAAGGAGAGAAGGGCAGCAAGGCGAT 699

Db 308 GGGGGTCTCATTGGCCCAAAAGGGGAACTGGAATAAGGGAGAGAAGGAGACCTGGGT 367

Qy 700 GGGGGTCTCATTGGCCCAAAAGGGGAACTGGAATAAGGGAGAGAAGGAGACCTGGGT 759

Db 368 CTCCCAGGAAGCAAAGGGGACAGGGGCATGAAAGGAGATGCAGGGGTCTGGGGCTCTCT 427

Qy 760 CTCCCAGGAAGCAAAGGGGACAGGGGCATGAAAGGAGATGCAGGGGTCTGGGGCTCTCT 819

Db 428 GGAGCCAGGGGAGTAAAGGTN-CTT-GGGAGGCCAGGCCACCAGGTTTGGCTGGTTTT 485

Qy 820 GGAGCCAGGGGAGTAAAGGTGACTTCGGAGGCCAGGCCACCAGGTTTGGCTGGTTTT 879

Db 486 CCTGGAGCTAAAGGAGATCAAGGACAACCTGGGACTGCAGGGTGTCCGGGGCTCTCTGG 545

Qy 880 CCTGGAGCTAAAGGAGATCAAGGACAACCTGG-ACTGAGGGTGTCCGGGGCTCTCTGG 938

Db 546 TGCAGTGGGACACCCAGGTGCCAAGGGTGCCTGGCAGTGTGGCTCCCTGGGCGAGC 605

Qy 939 TGCAGTGGGACACCCAGGTGCCAAGGGTGCCTGGCAGTGTGGCTCCCTGGGCGAGC 998

Db 606 AGGACTTCCAGGGAGCCCGGGAGTCCAGGAGCCAGGCTGAAAGGAAGGAAGGGG 665

Qy 999 AGGACTTCCAGGGAGCCCGGGAGTCCAGGAGCCAGGCTGAAAGGAAG-CAAGGGG 1057

Db 666 ACACAGGACTTCAAGGACAGCAAGGAAGAAAGGAGATCAGGAGTTCAGGCCCTGCAG 725

Qy 1058 ACACAGGACTTCAAGGACAGCAAGGAAGAAAGGAGATCAGGAGTTCAGGCCCTGCAG 1117

Db 726 GTGTGAAGGAGAAACAGGGAGCCAGGGCTGCCAGGTCCCAAGGGAGCCCTGGACAAG 785

Qy 1118 GTGTGAAGGAGAAACAGGGAGCCAGGGCTGCCAGGTCCCAAGGGAGCCCTGGACAAG 1177

Db 786 CTGGCCAGAGGGAGACCAGGGAGTGAAGGATCTTCTGGGAGCAAGGAGTAAAGGAG 845

Qy 1178 CTGGCCAGAGGGAGACCAGGGAGTGAAGGATCTTCTGGGAGCAAGGAGTAAAGGAG 1237

Db 846 AAAAGGTGAAAGAGGTGAAACTCAGTGTCCGTGAGGATTTGCGCAGTAGTAACCGAG 905

Qy 1238 AAAAGGTGAAAGAGGTGAAACTCAGTGTCCGTGAGGATTTGCGCAGTAGTAACCGAG 1297

Db 906 GGGCGGGGCTGAAGTTTACTACAGTGTACCTGGGGGACAAATTTGCGATGACGAGTGG 965

Qy 1298 G-CCGGG-CTGAAGTTTACTACAGTGTACCTGGGGGACAA-TTTGCATGACG-AGTGG 1353

Db 966 CAAAATTCTGATGCCATTGTCTTGTGGCGCATGCTGGGTTACCTCCAAAGGAAGGGCCC 1025

Qy 1354 CAAAATTCTGATGCCATTGTCTTGTG-CCGATGTGGGTTAC-TCCAAAGGAAGGGCCC 1411

Db 1026 TGTACAAAGTGGGAGCTGGGCACTGGGAGATCTGGCTGGATAATGTTCAAGTGTGGGGC 1085

Qy 1412 TGTACAAAGTGGGAGCTGG-CACTGGGAGATCTGGCTGGATAATGTTCAAGTGTGGGGC 1470

Db 1086 AAGGAGAGTACCCTGTGAGCTGCACCAAGAATAGCTGGGGCCATCATGACTGCAGCCAC 1145

Qy 1471 ACGGAGAGTACCCTGTGAGCTGCACCAAGAATAGCTGGGGCCATCATGACTGCAGCCAC 1530

Db 1146 GAGGAGGACGAGGCGTGGAGTGCAGCGT 1174

Qy 1531 GAGGAGGACGAGGCGTGGAGTGCAGCGT 1559

RESULT 5

ID US-08-837-312-1335 STANDARD; DNA; UNC; 775 BP.

AC xxxxxx

DT

DE Sequence 1335, Application US/08837312

CC Sequence 1335, Application US/08837312

CC GENERAL INFORMATION:

CC APPLICANT: Jacobs, Kenneth

CC APPLICANT: McCoy, John

CC APPLICANT: LaVallie, Edward

CC APPLICANT: Racie, Lisa

CC APPLICANT: Merberg, David

CC APPLICANT: Treacy, Maurice

CC APPLICANT: Spaulding, Vikki

CC TITLE OF INVENTION: SECRETED, EXPRESSED SEQUENCE TAGS

CC NUMBER OF SEQUENCES: 1519  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Genetics Institute, Inc.  
CC STREET: 87 CambridgePark Drive  
CC CITY: Cambridge  
CC STATE: Massachusetts  
CC COUNTRY: U.S.A  
CC ZIP: 02140  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy Disk  
CC COMPUTER: IBM PC Compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: PatentIn Release #1.0, Version #1.30  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/837,312  
CC FILING DATE:  
CC CLASSIFICATION: 435  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Brown, Scott A.  
CC REGISTRATION NUMBER: 32,724  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (617) 498-8224  
CC TELEFAX: (617) 876-5851  
CC INFORMATION FOR SEQ ID NO: 1335:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 775 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: double  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: cDNA  
SQ SEQUENCE 775 BP; 184 A; 221 C; 244 G; 126 T; 0 OTHER.

Query Match 47.6%; Score 742; DB 21; Length 775;  
Best Local Similarity 100.0%; Pred. No. 0.00e+00;  
Matches 742; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 22 GCTCTTGAGTGAGACCAACAAGCTGCTTTTACCAAATGCAATGGAGCCTTCGAAAT 81  
|  
Qy 33 GCTCTTGAGTGAGACCAACAAGCTGCTTTTACCAAATGCAATGGAGCCTTCGAAAT 92  
|  
Db 82 CAATGTTCCAAAGCCCAAGAGGAGAAATGGGGTGAACCTCTCCCTAGCTGTGGTGGTCAT 141  
|  
Qy 93 CAATGTTCCAAAGCCCAAGAGGAGAAATGGGGTGAACCTCTCCCTAGCTGTGGTGGTCAT 152  
|  
Db 142 CTACCTGATCCTGCTACCGCTGGCGCTGGGCTGTGGTGTCCAACTTCTGAATCTGCA 201  
|  
Qy 153 CTACCTGATCCTGCTACCGCTGGCGCTGGGCTGTGGTGTCCAACTTCTGAATCTGCA 212  
|  
Db 202 GCGCGGGCTCCGGGTCTGGAGATGTATTTCCTCAATGACACTCTGGCGCTGAGGACAG 261  
|  
Qy 213 GCGCGGGCTCCGGGTCTGGAGATGTATTTCCTCAATGACACTCTGGCGCTGAGGACAG 272  
|  
Db 262 CCCGTCTCTCTCTTGCTGAGTCAGCACACCTGGAGAACACCTGGCTCAGGGTGCATC 321  
|  
Qy 273 CCCGTCTCTCTCTTGCTGAGTCAGCACACCTGGAGAACACCTGGCTCAGGGTGCATC 332  
|  
Db 322 GAGGCTGCAAGTCTGAGGCCCACTACCTGGGTCCGCTCAGCCATGAGCACTTGCT 381  
|  
Qy 333 GAGGCTGCAAGTCTGAGGCCCACTACCTGGGTCCGCTCAGCCATGAGCACTTGCT 392  
|  
Db 382 GCAGCGGTAGACAACCTTCACTCAGAACCCAGGGATGTTCAAGTCAAAGGTGAACAAG 441  
|  
Qy 393 GCAGCGGTAGACAACCTTCACTCAGAACCCAGGGATGTTCAAGTCAAAGGTGAACAAG 452  
|  
Db 442 CGCCCCAGGTCTTCAAGGTCAACAAGGGGGCCATGGGCATGCTGGTGGCCCTGGCCCGCC 501  
|  
Qy 453 CGCCCCAGGTCTTCAAGGTCAACAAGGGGGCCATGGGCATGCTGGTGGCCCTGGCCCGCC 512  
|  
Db 502 GGGACCACCTGCTGAGAAGGGAGCCAAGGGGGCTATGGGACGAGATGGAGCAACAGGCC 561  
|  
Qy 513 GGGACCACCTGCTGAGAAGGGAGCCAAGGGGGCTATGGGACGAGATGGAGCAACAGGCC 572  
|  
Db 562 CTCGGGACCCCAAGGCCACCGGGAGTCAAGGGAGAGCGGGCTTCAAGGACCCAGGG 621

Qy 573 CTCGGGACCCCAAGGCCACCGGGAGTCAAGGAGAGCGGGCTTCAAGGACCCAGGG 632  
|  
Db 622 TGCTCCAGGGAAGCAAGGAGCCACTGGCACCCAGGACCCCAAGGAGAGAGGGCAGCAA 681  
|  
Qy 633 TGCTCCAGGGAAGCAAGGAGCCACTGGCACCCAGGACCCCAAGGAGAGAGGGCAGCAA 692  
|  
Db 682 AGCGGATGGGGTCTCATTGGCCCAAAAGGGGAACTGGAACCTAAGGGAGAGAAAGGAGA 741  
|  
Qy 693 AGCGGATGGGGTCTCATTGGCCCAAAAGGGGAACTGGAACCTAAGGGAGAGAAAGGAGA 752  
|  
Db 742 CCTGGGTCTCCAGGAAGCAAA 763  
|  
Qy 753 CCTGGGTCTCCAGGAAGCAAA 774

## RESULT 6

ID US-08-893-467A-1 STANDARD; DNA; UNC; 1868 BP.

AC xxxxxx

DT

DE Sequence 1, Application US/08893467A

CC Sequence 1, Application US/08893467A

CC GENERAL INFORMATION:

CC APPLICANT: Tryggvason, Karl

CC APPLICANT: Elomaa, Outi

CC APPLICANT: Kangas, Maarit

CC TITLE OF INVENTION: An Insolated DNA Sequence For a

CC TITLE OF INVENTION: Novel Macrophage Receptor with

CC TITLE OF INVENTION: a Collagenous Domain and the

CC TITLE OF INVENTION: Polypeptide Chain Encoded by

CC TITLE OF INVENTION: such a Sequence

CC NUMBER OF SEQUENCES: 2

CC CORRESPONDENCE ADDRESS:

CC ADDRESSEE: Fay, Sharpe, Beall, Pagan,

CC ADDRESSEE: Minnich &amp; McKee

CC STREET: 1100 Superior Avenue

CC STREET: Suite 700

CC CITY: Cleveland

CC STATE: Ohio

CC COUNTRY: U.S.A.

CC ZIP: 44114-2518

CC COMPUTER READABLE FORM:

CC MEDIUM TYPE: Diskette, 3.50 inch,

CC MEDIUM TYPE: 720 Kb storable

CC COMPUTER: IBM PS/2, Model 35 SX

CC OPERATING SYSTEM: DOS 5.0

CC SOFTWARE: Word Perfect 5.1

CC CURRENT APPLICATION DATA:

CC APPLICATION NUMBER: US/08/893,467A

CC FILING DATE:

CC CLASSIFICATION: 435

CC ATTORNEY/AGENT INFORMATION:

CC NAME: Minnich, Richard J.

CC REGISTRATION NUMBER: 24,175

CC REFERENCE/DOCKET NUMBER: TRV 2 009

CC TELECOMMUNICATION INFORMATION:

CC TELEPHONE: (216) 861-5582

CC TELEFAX: (216) 241-1666

CC TELEX: (216) 980162

CC INFORMATION FOR SEQ ID NO: 1:

CC SEQUENCE CHARACTERISTICS:

CC LENGTH: 1868 base pairs

CC TYPE: Nucleic acid

CC STRANDEDNESS: Single

CC TOPOLOGY: Linear

CC MOLECULE TYPE: Nucleotide-genomic DNA

CC HYPOTHETICAL: Not relevant

CC ANTI-SENSE: Not relevant

SQ SEQUENCE 1868 BP; 524 A; 433 C; 576 G; 335 T; 0 OTHER.

Query Match 42.7%; Score 666; DB 21; Length 1868;  
Best Local Similarity 75.1%; Pred. No. 0.00e+00;  
Matches 1110; Conservative 0; Mismatches 354; Indels 15; Gaps 6;



Db 1312 CCCAAGGAGAACCTTGGACGAGTCGGTCAGAAAGGAGACCCGGGGATGAAAGGGTCTTCT 1371  
||||| |||| | ||||| | | | ||||| ||||| || | ||||| |||||

Qy 1156 CCCAAGGAGCCCCCTTGGACAAGCTGGCCAGAAGGGAGACCAGGGAGTAAAGGATCTTCT 1215

Db 1372 GGCCAGCAGGACAAAAGGGAGAAAAGGGTCAAAAAGGCGAATCTTTCCAACGCGTCCGG 1431  
|| | ||||| | ||||| ||||| || | || | || | | || | || |

Qy 1216 GGGGAGCAGGAGTAAGGGGAGAAAAGGTGAAGAGGTGAAAACCTCAGTGTCCGTACGG 1275

Db 1432 ATCATGGGTGGCACCAACAGAGGCCGAGCTGAAGTTTACTATAACAATGAGTGGGGGACA 1491  
|| | | | | || | ||||| | ||||| ||||| | | ||||| |||||

Qy 1276 ATTTGTCGGCAGTAGTAACCGAGGCCGGGCTGAAGTTTACTACAGTGGTACCTGGGGGACA 1335

Db 1492 ATTTGTGATGATGATTGGGATAATAATGATGCGGACTGTCTTCTGTGCGCATGCTCGGTAC 1551  
||||| |||| | || | | || | ||||| | ||||| ||||| ||||| |||||

Qy 1336 ATTTGCGATGACGACTGGCAAAATTCTGATGCCATTGTCTTCTGCCCATGCTGGGTAC 1395

Db 1552 TCCAGAGGGAGAGCACTTAGCAGCTATGGAGTGGCTCTGGGAACATCTGGCTGGACAAT 1611  
|||| | || | || | || | || | || | || | || | || | || | || |

Qy 1396 TCCAAGGAAGGGCCCTGTACAAGTGGGAGCTGGCATTGGGCAGATCTGGCTGGATAAT 1455

Db 1612 GTGAATTGTGGGGCACAGAGAACAGTTTGTGGGACTGCAGTAAGAACTCCTGGGGCAAT 1671  
|| | ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||

Qy 1456 GTTCAGTGTCCGGGCACGGAGAGTACCTGTGGAGCTGCACCAAGAATAGCTGGGGCCAT 1515

Db 1672 CACAATTGCGTACATAATGAAGATGCGGGGTGGAATGC 1710  
|| | || | || | || | || | || | || | || | || | || | || |

Qy 1516 CATGACTGCACCCACGAGGAGGACGACGGCGTGAGTGC 1554

RESULT 7  
ID US-09-057-719-358 STANDARD; DNA; UNC; 311 BP.  
AC xxxxxx  
DT  
DE Sequence 358, Application US/09057719  
CC Sequence 358, Application US/09057719  
CC GENERAL INFORMATION: 04/89  
CC APPLICANT: Edwards, Jean-Baptiste Dumas Milne  
CC APPLICANT: Duclert, Aymeric  
CC TITLE OF INVENTION: EXPRESSED SEQUENCE TAGS FOR SECRETED  
CC TITLE OF INVENTION: PROTEINS  
CC NUMBER OF SEQUENCES: 1207  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Knobbe, Martens, Olson & Bear  
CC STREET: 501 West Broadway  
CC CITY: San Diego  
CC STATE: California  
CC COUNTRY: USA  
CC ZIP: 92101-3505  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy Disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: Win95  
CC SOFTWARE: Word  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/09/057,719  
CC FILING DATE:  
CC CLASSIFICATION:  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Israelsen, Ned A.  
CC REGISTRATION NUMBER: 29,655  
CC REFERENCE/DOCKET NUMBER: GENSET.025A  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (619) 235-8550  
CC TELEFAX: (619) 235-0176  
CC INFORMATION FOR SEQ ID NO: 358:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 311 base pairs  
CC TYPE: NUCLEIC ACID  
CC STRANDEDNESS: DOUBLE  
CC TOPOLOGY: LINEAR  
CC MOLECULE TYPE: CDNA  
CC ORIGINAL SOURCE:  
CC ORGANISM: Homo Sapiens

CC TISSUE TYPE: Liver  
CC FEATURE:  
CC NAME/KEY: sig\_peptide  
CC LOCATION: 62..172  
CC IDENTIFICATION METHOD: Von Heijne matrix  
CC OTHER INFORMATION: score 5.6  
CC OTHER INFORMATION: seq VIYLILLTAGAGL/LV  
SQ SEQUENCE 311 BP; 65 A; 87 C; 85 G; 73 T; 1 OTHER.

Query Match 19.8%; Score 309; DB 24; Length 311;  
Best Local Similarity 99.4%; Pred. No. 2.32e-284;  
Matches 309; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Db 1 AATTCTCAAGGAGGACGAGCTCTTGAGTGAGACCAACAAGCTGCTTTTACCAAAATGC 60  
|  
Qy 15 AATTCTCAAGGAGGACGAGCTCTTGAGTGAGACCAACAAGCTGCTTTTACCAAAATGC 74  
|  
Db 61 AATGGAGCCTTTTCAAAATCAATGTTCCTCAAGCCCAAGAGGAGAMATGGGGTGAACCTTCTC 120  
|  
Qy 75 AATGGAGCCTTTTCAAAATCAATGTTCCTCAAGCCCAAGAGGAGAAATGGGGTGAACCTTCTC 134  
|  
Db 121 CCTAGCTGTGGTGGTCACTACCTGATCCTGCTCACCCTGGCGCTGGGCTGGTGGT 180  
|  
Qy 135 CCTAGCTGTGGTGGTCACTACCTGATCCTGCTCACCCTGGCGCTGGGCTGGTGGT 194  
|  
Db 181 CCAAGTTCTGAATCTGAGCGCGCGCTCCGGGTCTTGAGATGTATTCTCTCAATGACAC 240  
|  
Qy 195 CCAAGTTCTGAATCTGAGCGCGCGCTCCGGGTCTTGAGATGTATTCTCTCAATGACAC 254  
|  
Db 241 TCTGGCGGCTGAGGACAGCCGCTCTCTCTTCTGTCAGTCAGCACACCTGGAGAACA 300  
|  
Qy 255 TCTGGCGGCTGAGGACAGCCGCTCTCTCTTCTGTCAGTCAGCACACCTGGAGAACA 314  
|  
Db 301 CCTGGCTCGGG 311  
|  
Qy 315 CCTGGCTCAGG 325

## RESULT 8

ID US-08-801-504-148 STANDARD; DNA; UNC; 269 BP.

AC xxxxxx

DT

DE Sequence 148, Application US/08801504

CC Sequence 148, Application US/08801504

CC GENERAL INFORMATION:

CC APPLICANT: Stuart, Susan G.

CC APPLICANT: Gooding, Douglas H.

CC APPLICANT: John C. Lane

CC APPLICANT: Angelo M. Delegeane

CC APPLICANT: James I. Snable

CC TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM

CC TITLE OF INVENTION: OSTEOARTHRITIC SYNOVIUM

CC NUMBER OF SEQUENCES: 2850

CC CORRESPONDENCE ADDRESS:

CC ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

CC STREET: 3174 PORTER DRIVE

CC CITY: PALO ALTO

CC STATE: CALIFORNIA

CC COUNTRY: USA

CC ZIP: 94304

CC COMPUTER READABLE FORM:

CC MEDIUM TYPE: Floppy disk

CC COMPUTER: IBM PC compatible

CC OPERATING SYSTEM: PC-DOS/MS-DOS

CC SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2

CC CURRENT APPLICATION DATA:

CC APPLICATION NUMBER: US/08/801,504

CC FILING DATE: HERewith

CC CLASSIFICATION: 435

CC PRIOR APPLICATION DATA:

CC APPLICATION NUMBER: 60/009,710

CC FILING DATE: DECEMBER 19, 1995

CC PRIOR APPLICATION DATA:

CC APPLICATION NUMBER: 60/010,009  
CC FILING DATE: January 4, 1996  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: CERRONE, MICHAEL C.  
CC REGISTRATION NUMBER: 39,132  
CC REFERENCE/DOCKET NUMBER: PD-0099 US  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (415) 855-0555  
CC TELEFAX: (415) 845-4166  
CC INFORMATION FOR SEQ ID NO: 148:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 269 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: cDNA  
CC IMMEDIATE SOURCE:  
CC CLONE: 722411  
SQ SEQUENCE 269 BP; 48 A; 82 C; 80 G; 59 T; 0 OTHER.

Query Match 17.2%; Score 269; DB 21; Length 269;  
Best Local Similarity 100.0%; Pred. No. 4.20e-242;  
Matches 269; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 AAGCCCAAGAGGAGAAATGGGGTGAACCTTCTCCCTAGCTGTGGTGGTCACTACCTGATC 60  
|  
Qy 103 AAGCCCAAGAGGAGAAATGGGGTGAACCTTCTCCCTAGCTGTGGTGGTCACTACCTGATC 162  
|  
Db 61 CTGCTCACCCTGGCGCTGGGCTGTGGTGGTCCAAAGTTCTGAATCTGCAGGCGCGGCTC 120  
|  
Qy 163 CTGCTCACCCTGGCGCTGGGCTGTGGTGGTCCAAAGTTCTGAATCTGCAGGCGCGGCTC 222  
|  
Db 121 CGGGTCTGGAGATGTATTCTCTCAATGACACTCTGGCGGCTGAGGACAGCCCTCTTC 180  
|  
Qy 223 CGGGTCTGGAGATGTATTCTCTCAATGACACTCTGGCGGCTGAGGACAGCCCTCTTC 282  
|  
Db 181 TCCTTGCTGTCAGTCAGCACACCTGGAGAACACCTGGCTCAGGGTGCATCGAGGCTGCAA 240  
|  
Qy 283 TCCTTGCTGTCAGTCAGCACACCTGGAGAACACCTGGCTCAGGGTGCATCGAGGCTGCAA 342  
|  
Db 241 GTCCTGCAGGCCCAACTACCTGGGTCCG 269  
|  
Qy 343 GTCCTGCAGGCCCAACTACCTGGGTCCG 371

## RESULT 9

ID US-60-039-051-1236 STANDARD; DNA; UNC; 252 BP.

AC xxxxxx

DT

DE Sequence 1236, Application US/60039051

CC Sequence 1236, Application US/60039051

CC GENERAL INFORMATION:

CC APPLICANT: Gooding, Douglas H.

CC APPLICANT: Stuve, Laura L.

CC APPLICANT: Stuart, Susan G.

CC APPLICANT: Ito, Laura Y.

CC APPLICANT: Akerblom, Ingrid E.

CC APPLICANT: Delegeane, Angelo M.

CC APPLICANT: Naughton, Rebecca E.

CC APPLICANT: Klingler, Tod M.

CC TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM

CC TITLE OF INVENTION: HUMAN LUNG

CC NUMBER OF SEQUENCES: 1811

CC CORRESPONDENCE ADDRESS:

CC ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

CC STREET: 3174 PORTER DRIVE

CC CITY: PALO ALTO

CC STATE: CALIFORNIA

CC COUNTRY: USA

CC ZIP: 94304

CC COMPUTER READABLE FORM:

CC MEDIUM TYPE: Floppy disk

CC COMPUTER: IBM PC compatible

CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/60/039,051  
CC FILING DATE:  
CC CLASSIFICATION:  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: CERRONE, MICHAEL C.  
CC REGISTRATION NUMBER: 39,132  
CC REFERENCE/DOCKET NUMBER: PD-0328P  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (415) 855-0555  
CC TELEFAX: (415) 845-4166  
CC INFORMATION FOR SEQ ID NO: 1236:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 252 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: cDNA  
CC IMMEDIATE SOURCE:  
CC CLONE: 2591776H1  
SQ SEQUENCE 252 BP; 70 A; 54 C; 96 G; 32 T; 0 OTHER.

Query Match 16.2%; Score 252; DB 5; Length 252;  
Best Local Similarity 100.0%; Pred. No. 3.24e-224;  
Matches 252; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 GGAGCCACTGGCACCACCCAGGACCCCAAGGAGAGAGGGGAGCAAGGCGATGGGGGTCTC 60  
|  
Qy 649 GGAGCCACTGGCACCACCCAGGACCCCAAGGAGAGAGGGGAGCAAGGCGATGGGGGTCTC 708  
|  
Db 61 ATTGGCCCAAAAGGGGAACTGGAACTAAGGAGAGAGAAAGGAGACCTGGGTCTCCAGGA 120  
|  
Qy 709 ATTGGCCCAAAAGGGGAACTGGAACTAAGGAGAGAGAAAGGAGACCTGGGTCTCCAGGA 768  
|  
Db 121 AGCAAAAGGGGACAGGGGCATGAAAGGAGATGCAGGGGTCTGGGGCTCCTGGAGCCCA 180  
|  
Qy 769 AGCAAAAGGGGACAGGGGCATGAAAGGAGATGCAGGGGTCTGGGGCTCCTGGAGCCCA 828  
|  
Db 181 GGGAGTAAAGGTGACTTCGGGAGGCCAGGCCACCAGGTTTGGCTGGTTTCTGGAGCT 240  
|  
Qy 829 GGGAGTAAAGGTGACTTCGGGAGGCCAGGCCACCAGGTTTGGCTGGTTTCTGGAGCT 888  
|  
Db 241 AAAGGAGATCAA 252  
|  
Qy 889 AAAGGAGATCAA 900

## RESULT 10

ID US-08-808-904-5073 STANDARD; DNA; UNC; 250 BP.

AC xxxxxx

DT

DE Sequence 5073, Application US/08808904

CC Sequence 5073, Application US/08808904

CC GENERAL INFORMATION:

CC APPLICANT: Gooding, Douglas H.

CC APPLICANT: Stuve, Laura L.

CC APPLICANT: Stuart, Susan G.

CC APPLICANT: Ito, Laura Y.

CC APPLICANT: Akerblom, Ingrid E.

CC APPLICANT: Delegeane, Angelo M.

CC APPLICANT: Naughton, Rebecca E.

CC APPLICANT: Klingler, Tod M.

CC TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM

CC TITLE OF INVENTION: ASTHMATIC LUNG

CC NUMBER OF SEQUENCES: 5094

CC CORRESPONDENCE ADDRESS:

CC ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

CC STREET: 3174 PORTER DRIVE

CC CITY: PALO ALTO

CC STATE: CALIFORNIA

CC COUNTRY: USA

CC ZIP: 94304  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/808,904  
CC FILING DATE: HERewith  
CC CLASSIFICATION: 536  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 60/012,698  
CC FILING DATE: FEBRUARY 29, 1996  
CC CLASSIFICATION: 536  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 60/013,365  
CC FILING DATE: MARCH 13, 1996  
CC CLASSIFICATION: 536  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 60/027,122  
CC FILING DATE: SEPTEMBER 27, 1996  
CC CLASSIFICATION: 536  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: CERRONE, MICHAEL C.  
CC REGISTRATION NUMBER: 39,132  
CC REFERENCE/DOCKET NUMBER: PD-0120 US  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (415) 855-0555  
CC TELEFAX: (415) 845-4166  
CC INFORMATION FOR SEQ ID NO: 5073:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 250 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: cDNA  
CC IMMEDIATE SOURCE:  
CC CLONE: 1989038  
SQ SEQUENCE 250 BP; 58 A; 54 C; 82 G; 56 T; 0 OTHER.

Query Match 16.0%; Score 250; DB 21; Length 250;  
Best Local Similarity 100.0%; Pred. No. 4.10e-222;  
Matches 250; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 ATTGTGCGCAGTAGTAACCGAGGCCGGGCTGAAGTTTACTACAGTGGTACCTGGGGGACA 60  
|  
Qy 1276 ATTGTGCGCAGTAGTAACCGAGGCCGGGCTGAAGTTTACTACAGTGGTACCTGGGGGACA 1335  
|  
Db 61 ATTTGCGATGACGAGTGGCAAAATCTGATGCCATTGTCTTCTGCCGATGCTGGGTAC 120  
|  
Qy 1336 ATTTGCGATGACGAGTGGCAAAATCTGATGCCATTGTCTTCTGCCGATGCTGGGTAC 1395  
|  
Db 121 TCCAAAGGAAGGGCCCTGTACAAAGTGGGAGCTGGCACTGGGCAGATCTGGCTGGATAAT 180  
|  
Qy 1396 TCCAAAGGAAGGGCCCTGTACAAAGTGGGAGCTGGCACTGGGCAGATCTGGCTGGATAAT 1455  
|  
Db 181 GTTCAGTGTCTGGGGCAGGAGAGTACCTGTGGAGCTGCACCAAGAATAGCTGGGGCCAT 240  
|  
Qy 1456 GTTCAGTGTCTGGGGCAGGAGAGTACCTGTGGAGCTGCACCAAGAATAGCTGGGGCCAT 1515  
|  
Db 241 CATGACTGCA 250  
|  
Qy 1516 CATGACTGCA 1525

## RESULT 11

ID US-08-770-384-3424 STANDARD; DNA; UNC; 251 BP.

AC xxxxxx

DT

DE Sequence 3424, Application US/08770384

CC Sequence 3424, Application US/08770384

CC GENERAL INFORMATION:

CC APPLICANT: Stuart, Susan G.

CC APPLICANT: Gooding, Douglas H.  
CC APPLICANT: Lane, John C.  
CC APPLICANT: Delegeane, Angelo M.  
CC APPLICANT: Snable, John L.  
CC TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM  
CC TITLE OF INVENTION: RHEUMATOID SYNOVIUM  
CC NUMBER OF SEQUENCES: 5501  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
CC STREET: 3174 PORTER DRIVE  
CC CITY: PALO ALTO  
CC STATE: CALIFORNIA  
CC COUNTRY: USA  
CC ZIP: 94304  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/770,384  
CC FILING DATE: HERewith  
CC CLASSIFICATION: 435  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 60/009,486  
CC FILING DATE: December 15, 1995  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 60/009,132  
CC FILING DATE: DECEMBER 22, 1995  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: CERRONE, MICHAEL C.  
CC REGISTRATION NUMBER: 39,132  
CC REFERENCE/DOCKET NUMBER: PD-0096 US  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (415) 855-0555  
CC TELEFAX: (415) 845-4166  
CC INFORMATION FOR SEQ ID NO: 3424:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 251 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: cDNA  
CC IMMEDIATE SOURCE:  
CC CLONE: 705645  
SQ SEQUENCE 251 BP; 48 A; 69 C; 67 G; 63 T; 4 OTHER.

Query Match 15.8%; Score 247; DB 20; Length 251;  
Best Local Similarity 98.4%; Pred. No. 5.79e-219;  
Matches 247; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Db 1 GCTGCTTTTACCAAATGCAATGGAGCCTTTCGAAATCAATGTTCCAAAGCCCAAGAGG 60  
| | | | |  
Qy 55 GCTGCTTTTACCAAATGCAATGGAGCCTTTCGAAATCAATGTTCCAAAGCCCAAGAGG 114  
| | | | |  
Db 61 AGAAATGGGGTGAACCTTCTCCCTAGCTGTGGTGGTCATCTACCTGATCCTGCTCACCCT 120  
| | | | |  
Qy 115 AGAAATGGGGTGAACCTTCTCCCTAGCTGTGGTGGTCATCTACCTGATCCTGCTCACCCT 174  
| | | | |  
Db 121 GGCCTGGGCTGCTGGTGGTCCAAGTTCTGAATCTGAGCGCGGGCTCCGGGCTCTGGAG 180  
| | | | |  
Qy 175 GGCCTGGGCTGCTGGTGGTCCAAGTTCTGAATCTGAGCGCGGGCTCCGGGCTCTGGAG 234  
| | | | |  
Db 181 ATGTATTTCTCAATGACACTCTGGCGCTGAGGACAGCCCGTCTTCTNCTTGCTGCAG 240  
| | | | |  
Qy 235 ATGTATTTCTCAATGACACTCTGGCGCTGAGGACAGCCCGTCTTCTTCTTGCTGCAG 294  
| | | | |  
Db 241 TCAGNACANCC 251  
| | | | |  
Qy 295 TCAGCACACC 305

RESULT 12

ID US-09-016-434-839 STANDARD; DNA; UNC; 246 BP.  
AC xxxxxx  
DT  
DE Sequence 839, Application US/09016434  
CC Sequence 839, Application US/09016434  
CC GENERAL INFORMATION:  
CC APPLICANT: Janice Au-Young  
CC APPLICANT: Jeffrey J. Seilhamer  
CC TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING  
CC TITLE OF INVENTION: PATHWAY GENE EXPRESSION  
CC NUMBER OF SEQUENCES: 1490  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
CC STREET: 3174 PORTER DRIVE  
CC CITY: PALO ALTO  
CC STATE: CALIFORNIA  
CC COUNTRY: USA  
CC ZIP: 94304  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/09/016,434  
CC FILING DATE: HERewith  
CC CLASSIFICATION:  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER:  
CC FILING DATE:  
CC CLASSIFICATION:  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Zeller, Karen J.  
CC REGISTRATION NUMBER: 37,071  
CC REFERENCE/DOCKET NUMBER: PA-0002 US  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (650) 855-0555  
CC TELEFAX: (650) 845-4166  
CC INFORMATION FOR SEQ ID NO: 839:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 246 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC IMMEDIATE SOURCE:  
CC LIBRARY: MMLR3DT01  
CC CLONE: 569648  
SQ SEQUENCE 246 BP; 69 A; 44 C; 82 G; 49 T; 2 OTHER.

Query Match 15.5%; Score 242; DB 23; Length 246;  
Best Local Similarity 98.8%; Pred. No. 1.02e-213;  
Matches 243; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Db 1 GGGAGACCAGGGAGTAAAGGATCTTCTGGGAGCAAGGAGTAAAGGAGAAAAAGGTGA 60  
| | | | |  
Qy 1188 GGGAGACCAGGGAGTAAAGGATCTTCTGGGAGCAAGGAGTAAAGGAGAAAAAGGTGA 1247  
| | | | |  
Db 61 AAGAGGTGAAACTCAGTGTCCGTCAAGATTNTCCGAGTACTAACCAGGCCCGGGCTGA 120  
| | | | |  
Qy 1248 AAGAGGTGAAACTCAGTGTCCGTCAAGATTNTCCGAGTACTAACCAGGCCCGGGCTGA 1307  
| | | | |  
Db 121 AGTTTACTACAGTGGTACCTGGGGGACAATTTCGATGACGAGTGGCAAAATTCGTATGC 180  
| | | | |  
Qy 1308 AGTTTACTACAGTGGTACCTGGGGGACAATTTCGATGACGAGTGGCAAAATTCGTATGC 1367  
| | | | |  
Db 181 CATTGTCTTCTGCCGATGCTGGGTACTCCAAGGAAGGGCCCTGTACAAAGTGGGAGC 240  
| | | | |  
Qy 1368 CATTGTCTTCTGCCGATGCTGGGTACTCCAAGGAAGGGCCCTGTACAAAGTGGGAGC 1427  
| | | | |  
Db 241 TNGCAC 246  
| | | | |  
Qy 1428 TGGCAC 1433

## RESULT 13

ID US-60-051-749-163 STANDARD; DNA; UNC; 241 BP.  
AC xxxxxx  
DT  
DE Sequence 163, Application US/60051749  
CC Sequence 163, Application US/60051749  
CC GENERAL INFORMATION:  
CC APPLICANT: Gooding, Douglas H.  
CC APPLICANT: Stuart, Susan G.  
CC APPLICANT: Ito, Laura Y.  
CC APPLICANT: Naughton, Rebecca E.  
CC TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM  
CC TITLE OF INVENTION: HUMAN LUNG  
CC NUMBER OF SEQUENCES: 3617  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
CC STREET: 3174 PORTER DRIVE  
CC CITY: PALO ALTO  
CC STATE: CALIFORNIA  
CC COUNTRY: USA  
CC ZIP: 94304  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/60/051,749  
CC FILING DATE: HEREWITH  
CC CLASSIFICATION:  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: CERRONE, MICHAEL C.  
CC REGISTRATION NUMBER: 39,132  
CC REFERENCE/DOCKET NUMBER: PD-0388P  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (415) 855-0555  
CC TELEFAX: (415) 845-4166  
CC INFORMATION FOR SEQ ID NO: 163:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 241 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: cDNA  
CC IMMEDIATE SOURCE:  
CC CLONE: 2684337H1  
SQ SEQUENCE 241 BP; 57 A; 61 C; 64 G; 59 T; 0 OTHER.

Query Match 15.4%; Score 241; DB 7; Length 241;  
Best Local Similarity 100.0%; Pred. No. 1.15e-212;  
Matches 241; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Lb 1 AAAATTCTCAAGGAGGACGAGCTCTTGAGTGAGACCAACAAGCTGCTTTTCACCAAAATT 60  
|  
Qy 13 AAAATTCTCAAGGAGGACGAGCTCTTGAGTGAGACCAACAAGCTGCTTTTCACCAAAATT 72  
|  
Db 61 GCAATGGAGCCTTTCGAAATCAATGTTCCAAAGCCCAAGAGGAGAAATGGGGTGAAC TTC 120  
|  
Qy 73 GCAATGGAGCCTTTCGAAATCAATGTTCCAAAGCCCAAGAGGAGAAATGGGGTGAAC TTC 132  
|  
Db 121 TCCCTAGCTGTGGTGGTCACTACCTGATCTGCTCACCGCTGGCGCTGGGCTGCTGGTG 180  
|  
Qy 133 TCCCTAGCTGTGGTGGTCACTACCTGATCTGCTCACCGCTGGCGCTGGGCTGCTGGTG 192  
|  
Db 181 GTCCAAGTCTGAATCTGCAGGCGCGGCTCCGGGCTCGGAGATGTATTTCCTCAATGAC 240  
|  
Qy 193 GTCCAAGTCTGAATCTGCAGGCGCGGCTCCGGGCTCGGAGATGTATTTCCTCAATGAC 252  
|  
Db 241 A 241  
|  
Qy 253 A 253

## RESULT 14

ID US-08-810-326-2282 STANDARD; DNA; UNC; 242 BP.  
AC xxxxxx  
DT  
DE Sequence 2282, Application US/08810326  
CC Sequence 2282, Application US/08810326  
CC GENERAL INFORMATION:  
CC APPLICANT: Gooding, Douglas H.  
CC APPLICANT: Stuve, Laura L.  
CC APPLICANT: Stuart, Susan G.  
CC APPLICANT: Ito, Laura Y.  
CC APPLICANT: Akerblom, Ingrid E.  
CC APPLICANT: Delegeane, Angelo M.  
CC APPLICANT: Naughton, Rebecca E.  
CC APPLICANT: Klingler, Tod M.  
CC TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM  
CC TITLE OF INVENTION: HUMAN LUNG  
CC NUMBER OF SEQUENCES: 3314  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: INCYTE PHARMACEUTICALS, INC.  
CC STREET: 3174 PORTER DRIVE  
CC CITY: PALO ALTO  
CC STATE: CALIFORNIA  
CC COUNTRY: USA  
CC ZIP: 94304  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/810,326  
CC FILING DATE: HEREWITH  
CC CLASSIFICATION: 435  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 60/012,699  
CC FILING DATE: FEBRUARY 29, 1996  
CC CLASSIFICATION: 435  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: 60/015,173  
CC FILING DATE: APRIL 10, 1996  
CC CLASSIFICATION: 435  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: CERRONE, MICHAEL C.  
CC REGISTRATION NUMBER: 39,132  
CC REFERENCE/DOCKET NUMBER: PD-0121 US  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (415) 855-0555  
CC TELEFAX: (415) 845-4166  
CC INFORMATION FOR SEQ ID NO: 2282:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 242 base pairs  
CC TYPE: nucleic acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: cDNA  
CC IMMEDIATE SOURCE:  
CC CLONE: 766295  
SQ SEQUENCE 242 BP; 48 A; 66 C; 64 G; 63 T; 1 OTHER.

Query Match 15.3%; Score 239; DB 21; Length 242;  
Best Local Similarity 99.2%; Pred. No. 1.43e-210;  
Matches 240; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Lb 1 CAACAAGCTGCTTTTCACCAAAATGCAATGGAGCCTTTCGAAATCAATGTTCCAAAGCCC 60  
|  
Qy 49 CAACAAGCTGCTTTTCACCAAAATGCAATGGAGCCTTTCGAAATCAATGTTCCAAAGCCC 108  
|  
Db 61 AAGAGGAGAAATGGGGTGAACCTTCTCCCTAGCTGTGGTGGTCACTACCTGATCTGCTC 120  
|  
Qy 109 AAGAGGAGAAATGGGGTGAACCTTCTCCCTAGCTGTGGTGGTCACTACCTGATCTGCTC 168  
|

Db 121 ACCGCTGGCGCTGGGCTGCTGGTGGTCCAAGTTCGAATCTGCAGCGCGGCTCCGGGTC 180  
|||||  
Qy 169 ACCGCTGGCGCTGGGCTGCTGGTGGTCCAAGTTCGAATCTGCAGCGCGGCTCCGGGTC 228  
Db 181 CTGGAGATGTATTTCCTCAATGACACTCTGGCGGCTGAGGACAGCCCGTCCTTNTTCTTG 240  
|||||  
Qy 229 CTGGAGATGTATTTCCTCAATGACACTCTGGCGGCTGAGGACAGCCCGTCCTTCTCCTTG 288  
Db 241 CT 242  
||  
Qy 289 CT 290

## RESULT 15

ID US-08-770-384-3302 STANDARD; DNA; UNC; 228 BP.

AC xxxxxx

DT

DE Sequence 3302, Application US/08770384

CC Sequence 3302, Application US/08770384

CC GENERAL INFORMATION:

CC APPLICANT: Stuart, Susan G.

CC APPLICANT: Gooding, Douglas H.

CC APPLICANT: Lane, John C.

CC APPLICANT: Delegeane, Angelo M.

CC APPLICANT: Snable, John L.

CC TITLE OF INVENTION: POLYNUCLEOTIDES AND POLYPEPTIDES DERIVED FROM

CC TITLE OF INVENTION: RHEUMATOID SYNOVIUM

CC NUMBER OF SEQUENCES: 5501

CC CORRESPONDENCE ADDRESS:

CC ADDRESSEE: INCYTE PHARMACEUTICALS, INC.

CC STREET: 3174 PORTER DRIVE

CC CITY: PALO ALTO

CC STATE: CALIFORNIA

CC COUNTRY: USA

CC ZIP: 94304

CC COMPUTER READABLE FORM:

CC MEDIUM TYPE: Floppy disk

CC COMPUTER: IBM PC compatible

CC OPERATING SYSTEM: PC-DOS/MS-DOS

CC SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2

CC CURRENT APPLICATION DATA:

CC APPLICATION NUMBER: US/08/770,384

CC FILING DATE: HEREWITH

CC CLASSIFICATION: 435

CC PRIOR APPLICATION DATA:

CC APPLICATION NUMBER: 60/009,486

CC FILING DATE: December 15, 1995

CC PRIOR APPLICATION DATA:

CC APPLICATION NUMBER: 60/009,132

CC FILING DATE: DECEMBER 22, 1995

CC ATTORNEY/AGENT INFORMATION:

CC NAME: CERRONE, MICHAEL C.

CC REGISTRATION NUMBER: 39,132

CC REFERENCE/DOCKET NUMBER: PD-0096 US

CC TELECOMMUNICATION INFORMATION:

CC TELEPHONE: (415) 855-0555

CC TELEFAX: (415) 845-4166

CC INFORMATION FOR SEQ ID NO: 3302:

CC SEQUENCE CHARACTERISTICS:

CC LENGTH: 228 base pairs

CC TYPE: nucleic acid

CC STRANDEDNESS: single

CC TOPOLOGY: linear

CC MOLECULE TYPE: cDNA

CC IMMEDIATE SOURCE:

CC CLONE: 705186

SQ SEQUENCE 228 BP; 48 A; 61 C; 63 G; 56 T; 0 OTHER.

|||||  
Qy 50 AACAGCTGCTTTTCACCAAATGCAATGGAGCCTTTCGAAATCAATGTTCCAAAGCCCA 109  
Db 61 AGAGGAGAAATGGGGTGAACCTTCTCCCTAGCTGTGGTGGTCATCTACCTGATCCTGCTCA 120  
|||||  
Qy 110 AGAGGAGAAATGGGGTGAACCTTCTCCCTAGCTGTGGTGGTCATCTACCTGATCCTGCTCA 169  
Db 121 CCGCTGGCGCTGGGCTGCTGGTGGTCCAAGTTCGAATCTGCAGGCGCGGCTCCGGGTCC 180  
|||||  
Qy 170 CCGCTGGCGCTGGGCTGCTGGTGGTCCAAGTTCGAATCTGCAGGCGCGGCTCCGGGTCC 229  
Db 181 TGGAGATGTATTTCCTCAATGACACTCTGGCGGCTGAGGACAGCCCGT 228  
|||||  
Qy 230 TGGAGATGTATTTCCTCAATGACACTCTGGCGGCTGAGGACAGCCCGT 277

Search completed: Fri Sep 11 07:38:26 1998

Job time : 2292 secs.

Query Match 14.6%; Score 228; DB 20; Length 228;  
Best Local Similarity 100.0%; Pred. No. 4.75e-199;  
Matches 228; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 AACAGCTGCTTTTCACCAAATGCAATGGAGCCTTTCGAAATCAATGTTCCAAAGCCCA 60

\*\*\*\*\*  
M A S A R L H (TM)  
\*\*\*\*\*

Release 3.1A John F. Collins, Biocomputing Research Unit.  
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Distribution rights by Oxford Molecular Ltd

MPsrch\_pp protein - protein database search, using Smith-Waterman algorithm

Run on: Fri Sep 11 06:56:53 1998; MasPar time 5.44 Seconds  
675.321 Million cell updates/sec

Tabular output not generated.

Title: >US-08-794-795-6  
Description: (1-520) from US08794795.pep  
Perfect Score: 3665  
Sequence: 1 MRNKKILKEDELLSETQQA.....NSWGHDCSHEEDAGVECSV 520

Scoring table: PAM 150  
Gap 11

Searched: 77021 seqs, 7058996 residues

Post-processing: Minimum Match 0%  
Listing first 45 summaries

Database: a-issued  
1:5\_COMB 2:PCT9\_COMB 3:backfiles1

Statistics: Mean 32.821; Variance 173.861; scale 0.189

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result	No.	Score	Match	Length	DB	ID	Description	Pred. No.
1	2414	65.9	518	1	US-08-392-	Sequence 2, Applicatio	3.69e-182	
2	796	21.7	357	1	US-08-642-	Sequence 33, Applicati	5.31e-52	
3	796	21.7	357	1	US-07-609-	Sequence 66, Applicati	5.31e-52	
4	793	21.6	1077	1	US-08-642-	Sequence 95, Applicati	9.17e-52	
5	793	21.6	1077	1	US-07-972-	Sequence 82, Applicati	9.17e-52	
6	771	21.0	1064	1	US-08-642-	Sequence 62, Applicati	5.05e-50	
7	757	20.7	408	1	US-07-609-	Sequence 65, Applicati	6.45e-49	
8	755	20.6	777	1	US-08-642-	Sequence 53, Applicati	9.28e-49	
9	739	20.2	561	1	US-08-642-	Sequence 52, Applicati	1.70e-47	
10	734	20.0	1442	2	PCT-US95-0	Sequence 12, Applicati	4.23e-47	
11	731	19.9	330	1	US-08-642-	Sequence 32, Applicati	7.29e-47	
12	722	19.7	417	1	US-08-175-	Sequence 69, Applicati	3.74e-46	
13	722	19.7	417	1	US-08-477-	Sequence 104, Applicat	3.74e-46	
14	722	19.7	417	1	US-08-642-	Sequence 102, Applicat	3.74e-46	
15	722	19.7	837	1	US-08-642-	Sequence 101, Applicat	3.74e-46	
16	722	19.7	837	1	US-08-175-	Sequence 68, Applicati	3.74e-46	
17	722	19.7	837	1	US-08-477-	Sequence 103, Applicat	3.74e-46	
18	722	19.7	897	1	US-08-397-	Sequence 50, Applicati	3.74e-46	
19	720	19.6	633	1	US-08-642-	Sequence 73, Applicati	5.38e-46	
20	720	19.6	829	1	US-08-397-	Sequence 53, Applicati	5.38e-46	
21	720	19.6	829	1	US-08-642-	Sequence 132, Applicat	5.38e-46	
22	703	19.2	1065	1	US-08-642-	Sequence 72, Applicati	1.18e-44	
23	693	18.9	252	1	US-08-642-	Sequence 61, Applicati	7.23e-44	

24	684	18.7	682	1	US-08-397-	Sequence 36, Applicati	3.69e-43
25	684	18.7	682	1	US-08-642-	Sequence 126, Applicat	3.69e-43
26	674	18.4	546	1	US-08-494-	Sequence 10, Applicati	2.26e-42
27	667	18.2	684	1	US-08-555-	Sequence 12, Applicati	8.03e-42
28	649	17.7	532	1	US-08-494-	Sequence 9, Applicatio	2.09e-40
29	645	17.6	234	1	US-08-642-	Sequence 51, Applicati	4.30e-40
30	629	17.2	1065	1	US-08-642-	Sequence 80, Applicati	7.75e-39
31	629	17.2	1065	2	PCT-US96-0	Sequence 16, Applicati	7.75e-39
32	609	16.6	762	1	US-08-397-	Sequence 26, Applicati	2.86e-37
33	609	16.6	762	1	US-08-642-	Sequence 114, Applicat	2.86e-37
34	603	16.5	762	1	US-08-642-	Sequence 120, Applicat	8.44e-37
35	603	16.5	762	1	US-08-397-	Sequence 31, Applicati	8.44e-37
36	606	16.5	1694	1	US-08-494-	Sequence 2, Applicatio	4.91e-37
37	598	16.3	540	1	US-08-383-	Sequence 5, Applicatio	2.08e-36
38	598	16.3	540	1	US-08-383-	Sequence 5, Applicatio	2.08e-36
39	598	16.3	540	1	US-08-383-	Sequence 5, Applicatio	2.08e-36
40	597	16.3	543	1	US-08-383-	Sequence 16, Applicati	2.49e-36
41	597	16.3	543	1	US-08-383-	Sequence 16, Applicati	2.49e-36
42	597	16.3	543	1	US-08-383-	Sequence 16, Applicati	2.49e-36
43	595	16.2	270	1	US-08-383-	Sequence 15, Applicati	3.57e-36
44	595	16.2	273	1	US-08-383-	Sequence 3, Applicatio	3.57e-36
45	595	16.2	285	1	US-08-383-	Sequence 20, Applicati	3.57e-36

#### ALIGNMENTS

RESULT 1  
ID US-08-392-367B-2 STANDARD; PRT; 518 AA.  
XX  
AC xxxxxx  
XX  
DT  
XX  
DE Sequence 2, Application US/08392367B  
XX  
CC Sequence 2, Application US/08392367B  
CC Patent No. 5691197  
CC GENERAL INFORMATION:  
CC APPLICANT: Tryggvason, Karl  
CC APPLICANT: Elomaa, Outi  
CC APPLICANT: Kangas, Maarit  
CC TITLE OF INVENTION: An Insolated DNA Sequence For a  
CC Patent No. 5691197  
CC TITLE OF INVENTION: No. 5691197el Macrophage Receptor with  
CC TITLE OF INVENTION: a Collagenous Domain and the  
CC TITLE OF INVENTION: Polypeptide Chain Encoded by  
CC TITLE OF INVENTION: such a Sequence  
CC NUMBER OF SEQUENCES: 2  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Fay, Sharpe, Beall, Fagan,  
CC ADDRESSEE: Minnich & McKee  
CC STREET: 1100 Superior Avenue  
CC STREET: Suite 700  
CC CITY: Cleveland  
CC STATE: Ohio  
CC COUNTRY: U.S.A.  
CC ZIP: 44114-2518  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Diskette, 3.50 inch,  
CC MEDIUM TYPE: 720 Kb storable  
CC COMPUTER: IBM PS/2, Model 35 SX  
CC OPERATING SYSTEM: DOS 5.0  
CC SOFTWARE: Word Perfect 5.1  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/392,367B  
CC FILING DATE:  
CC CLASSIFICATION: 435  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Minnich, Richard J.  
CC REGISTRATION NUMBER: 24,175  
CC REFERENCE/DOCKET NUMBER: TRV 2 009  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (216) 861-5582

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XX
AC      xxxxxx
XX
DT
XX
DE      Sequence 33, Application US/08642255
XX
CC      Sequence 33, Application US/08642255
CC      Patent No. 5773249
CC      GENERAL INFORMATION:
CC      APPLICANT:  CAPPELLO, Joseph
CC      APPLICANT:  FERRARI, Franco A.
CC      TITLE OF INVENTION:  High Molecular Weight Collagen-Like
CC      TITLE OF INVENTION:  Protein Polymers
CC      NUMBER OF SEQUENCES:  135
CC      CORRESPONDENCE ADDRESS:
CC      ADDRESSEE:  FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT
CC      STREET:     4 Embarcadero Center, Suite 3400
CC      CITY:       San Francisco
CC      STATE:      California

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Db      40  GPPGPPGPPGAPGPPGPPGPPGPPGLPGPKGDRDAGPKGADGSPGAGPVGSPGAPGPP  99
      | :|:| :| :|:|:|:| :| :| :| :|:| :| :|
Qy     148  GEQAGPLQGHKGAMGMPAGPPGPPPAEKAGKAGMRDGTATGSPGQPPGVKGEAGLQ  207

Db     100  GPPGPPGPPGAPGPPGPPGPPGPPGPPGLPGPKGDRDAGPKGADGSPGAGPVGSPGAPGPP  159
      || :|:| || :| ||| :| :| :| :|:|:| || :|:| :| :| :|
Qy     208  GPQAGPKQKQATGTGPPQGEKSGKGDGLIPLKGETGTGKEXDGLPGSKGDRGMKGA  267

Db     160  GPPGPPGPPGAPGPPGPPGPPGPPGPPGLPGPKGDRDAGPKGADGSPGAGPVGSPGAPGPP  219
      | :|:| :| :| :| ||| :| :| :| :|:|:| :| :|:|:| :| :|
Qy     268  GVMGPPGAQSGKDGFRGPPGLAGFPKAKDGQO--P-GLQGVPGPPGAVGHPGAKGEP  324

Db     220  GPPGP?GPPGAPGPPGPPGPPGPPGPPGLPGPKGDRDAGPKGADGSPGAGPVGSPGAPGPP  279
      |:|:|:| :| :|:|:|:| :| :| :| :|:|:| :| :|:| :| :| :|
Qy     325  GSAGSPGRAGLPGSPGSPGATGLKSGKGDTLGQQQGRKGESVGPAGVKGEQSGPLA  384

Db     280  GPPGPPGPPGAPGPPGPPGPPGPPGPPGLPGPKGDRDAG  316
      || :|:| :| :| :| :| :| :| :| :| :| :| :| :| :|
Qy     385  GPKGAPGAQAGKQDGQGVKSSGEGVKYKGEKGERGENS  421

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XX  
AC       XXXXXX  
XX  
DT  
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DE       Sequence 66, Application US/07609716  
XX  
CC       Sequence 66, Application US/07609716  
CC       Patent No. 5114581  
CC       GENERAL INFORMATION:  
CC       APPLICANT: Ferrari, Franco A.  
CC       APPLICANT: Cappello, Joseph  
CC       TITLE OF INVENTION: Functional Recombinantly Prepared  
CC       TITLE OF INVENTION: Synthetic Protein Polymer  
CC       NUMBER OF SEQUENCES: 118  
CC       CORRESPONDENCE ADDRESS:  
CC       ADDRESS: Flehr, Hohbach, Test, Albritton & Herbert  
CC       STREET: 4040 Embarcadero Center, Suite 3400







CC Patent No. 5773249  
CC GENERAL INFORMATION:  
CC APPLICANT: CAPPELLO, Joseph  
CC APPLICANT: FERRARI, Franco A.  
CC TITLE OF INVENTION: High Molecular Weight Collagen-Like  
CC TITLE OF INVENTION: Protein Polymers  
CC NUMBER OF SEQUENCES: 135  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT  
CC STREET: 4 Embarcadero Center, Suite 3400  
CC CITY: San Francisco  
CC STATE: California  
CC COUNTRY: USA  
CC ZIP: 94111-4187  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: PatentIn Release #1.0, Version #1.30  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/642,255  
CC FILING DATE:  
CC CLASSIFICATION: 435  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: ROWLAND, Bertram I.  
CC REGISTRATION NUMBER: 20,015  
CC REFERENCE/DOCKET NUMBER: A55556-3/BIR  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (415) 494-8700  
CC TELEFAX: (415) 494-8771  
CC TELEX: 910 277299 FHT UR  
CC INFORMATION FOR SEQ ID NO: 53:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 777 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: protein  
SO SEQUENCE 777 AA: 64133 MW; 2828908 CN;

Query Match 20.6%; Score 755; DB 1; Length 777;  
Best Local Similarity 49.1%; Pred. No. 9.28e-49;  
Matches 133; Conservative 39; Mismatches 96; Indels 3; Gaps 2;

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Db      85 GPPGAGPAGPPGAPGAGPPGAPGAGPPGAPGAGPPGAPGAGPPGAPGAGPPGAP 144
      | ||| | | | :|:|:|:|:| :| | :| | | |:| | |:| | :|
Qy     148 GEQGAGPLQGHKGAMGMPGAPGPPGPAEKGAKGAMGRDGTGSPGQPPGVKGEAGLQ 207
      | | | | | | :| :| | :| | | | | | | | | | | | :| :|
Db     145 GPAGPPGAPGAPGPPGAHGAPGAPKGAHGAPGKGAHGAPGKGAHGAPGKGAHGAPG 204
      | | |:| | |:| | :| | | | | | | | | | | | | | | :| :|
Qy     208 GPQGAPGKQATGTPGPGQEGKSGKDGLGPGKETGTGKGEKDLGLPGSKGDRGMKGA 267
      | | | | | | | | | | | | | | | | | | | | | | | | | |
Db     205 GAGPGAGPPGAPGAGPPGAPGAGPPGAPGAGPPGAPGAGPPGAPGAGPPGAPGPA 264
      | | |:| :| :| | |:| | | | | | | | | | | | | | | | | |
Qy     268 GVMGPPGAQSGKDFGRGPPGLAGFPKAGKDQGGPGLQGVGPPGAVGHGAKGEPGSA 327
      | | | | | | | | | | | | | | | | | | | | | | | | | |
Db     265 GPPGAPGAPGPPGAPGAGPPGAPGAGPPGAPGAGPPGAPGAGPPGAPGAGP-P-AGPK 321
      |:| | :| :|:|:|:|:| | | :| :| | | | | | | | | | | |
Qy     328 GSPGRAGLPGSPSGPATGLKSGKDTGLQGQGRKGESGVPGPAGVKGEQGSPLAGPK 387
      | | | | | | | | | | | | | | | | | | | | | | | | | |
Db     322 GAHGAPGPKGAHGAPGPKGAPGAPGPPGAPG 352
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Qy     388 GAPCQAGKGDQGVKGSSEGVKGEKGERG 418

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RESULT      9
ID  US-08-642-255-52      STANDARD;      PRT;      561 AA.
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AC  xxxxxxx
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XX
DE  Sequence 52, Application US/08642255

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CC Sequence 52, Application US/08642255  
CC Patent No. 5773249  
CC GENERAL INFORMATION:  
CC APPLICANT: CAPPELLO, Joseph  
CC APPLICANT: FERRARI, Franco A.  
CC TITLE OF INVENTION: High Molecular Weight Collagen-Like  
CC TITLE OF INVENTION: Protein Polymers  
CC NUMBER OF SEQUENCES: 135  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT  
CC STREET: 4 Embarcadero Center, Suite 3400  
CC CITY: San Francisco  
CC STATE: California  
CC COUNTRY: USA  
CC ZIP: 94111-4187  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: PatentIn Release #1.0, Version #1.30  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/642,255  
CC FILING DATE:  
CC CLASSIFICATION: 435  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: ROWLAND, Bertram I.  
CC REGISTRATION NUMBER: 20,015  
CC REFERENCE/DOCKET NUMBER: A55556-3/BIR  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (415) 494-8700  
CC TELEFAX: (415) 494-8771  
CC TELEX: 910 277299 FHT UR  
CC INFORMATION FOR SEQ ID NO: 52:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 561 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: protein  
SQ SEQUENCE 561 AA; 46438 MW; 1494070 CN;

Query Match 20.2%; Score 739; DB 1; Length 561;  
Best Local Similarity 48.7%; Pred. No. 1.70e-47;  
Matches 132; Conservative 39; Mismatches 97; Indels 3; Gaps 1;

Db 193 GPPGAPGPPGAPGPPGAPGPPGAPGPPGAPGPPGAPGPPGAPGPPGAP 252  
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Qy 148 GEQGAPGLQGHKGAMGMPGAPGPPGPAEKGAKGAMGRDGTGPGQGPVKGAGLQ 207

Db 253 GPAGPPGAPGPPGAPGPPGAPGPPGAPGPPGAPGPPGAPGPPGAPGPPGAP 312  
| | :| | | :| | | | :| | | | | | | | :| | | :| | :|  
Qy 208 GPQAPGKQATGTPGQGEKSGKDGGLIGPKGETGTKEKGDGLPGSKGDRGMKGA 267

Db 313 GAPGPAGPPGAPGPPGAPGPPGAPGPPGAPGPPGAPGPPGAPGPPGAPGPPA 372  
| ||:| :| | | ||:| | || | | | | :||| | :| :| | :|  
Qy 268 GVMGPPGAQGSKDFGRPGPPGLAGFPAGKQDQGPGLQGVPPGAVGHPGAKGEPGSA 327

Db 373 GPPGAPGPPGAPGPPGAPGPPGAPGPPGAPGPPGAPGPPGAPGPPGAPGPP 429  
| :| | :| :| :| :| | :| :| | | | | | | | :| | | |  
Qy 328 GSPGRAGLPSPGSPGATGLKSGKDTGLQGGQGRKGESGVPGAGVKGEGQSPGLAGPK 387

Db 430 GAPGPAGPPGAPGPPGAPGPPGAPGPPGAPG 460  
||| | | | :| | | | | |  
Qy 388 GAPQAGQKGDQGVKSSSEQGVKGEKGERG 418

RESULT 10  
ID PCT-US95-02251-12 STANDARD; PRT; 1442 AA.  
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AC xxxxxx  
XX  
DT

XX  
DE Sequence 12, Application PC/TUS9502251  
XX  
CC Sequence 12, Application PC/TUS9502251  
CC GENERAL INFORMATION:  
CC APPLICANT:  
CC TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR STIMULATING BONE  
CC TITLE OF INVENTION: CELLS  
CC NUMBER OF SEQUENCES: 18  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Arnold, White & Durkee  
CC STREET: P.O. Box 4433  
CC CITY: Houston  
CC STATE: Texas  
CC COUNTRY: United States of America  
CC ZIP: 77210  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII  
CC SOFTWARE: PatentIn Release #1.0, Version  
CC SOFTWARE: #1.30  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: PCT/US95/02251  
CC FILING DATE: CONCURRENTLY HEREWITH  
CC CLASSIFICATION:  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 08/316,650  
CC FILING DATE: 30-SEP-1994  
CC CLASSIFICATION:  
CC APPLICATION NUMBER: US 08/199,780  
CC FILING DATE: 18-FEB-1994  
CC CLASSIFICATION:  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Parker, David L.  
CC REGISTRATION NUMBER: 32,165  
CC REFERENCE/DOCKET NUMBER: UMIC009P--  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: (512) 418-3000  
CC TELEFAX: (713) 789-2679  
CC TELEX: 79-0924  
CC INFORMATION FOR SEQ ID NO: 12:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 1442 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: peptide  
SQ SEQUENCE 1442 AA; 137911 MW; 9845405 CN;

Query Match 20.0%; Score 734; DB 2; Length 1442;  
Best Local Similarity 43.7%; Pred. No. 4.23e-47;  
Matches 128; Conservative 48; Mismatches 112; Indels 5; Gaps 3;

Db 435 GAPGPAGEEKGARGEPGAGPIGPPGERGAPGNRGFPQDGLAGPKGAPGERGSGLA 494  
| | :| | :| | | | :| | | | | | | | :| | | :| | :|  
Qy 148 GEQGAPGLQGHKGAMGMPGAPGPPGPAEKGAKGAMGRDGTGPGQGPVKGAGLQ 207

Db 495 GPKGANGDPGRPEPLGARGLTGRPDAGPQKVGSPAGGEDGRGPPGPGARGQP 554  
| | | | | | | :| | | | | | | | :| | | :| | :| :|  
Qy 208 GPQAPGKQATGTPGQGEKSGKDGGLIGPKGETGTKEKGDGLPGSKGDRGMKGA 267

Db 555 GVMGPPGPKGANGEPKAGEKGLAGAPLRLGPKDGTGAAGPPGPGSPGAGERGQGP 614  
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Qy 268 GVMGPPGAQGSKDFGRPGPPGLAGFPAGKQDQGPGLQGVPPGAVGHPGAKGEPGSA 327

Db 615 GPSGFGPLGPPGPPGEGGKQDQIPGEAGAPGLVGRGERGPPGERGSPGAQGLQGP 674  
| :| | |||:| | | | | | | | :| :| | :| | | :| :|  
Qy 328 GSPGRAGLPSPGSPGATGLKSGKDTGLQGGQGRKGESGVPGAGVKGEGQSPGLAGPK 387

Db 675 GLPPTPGTDGPKGAAGPDGPPGAQGPPLQGMGERGAAG-IAGPK-DRGDV 725  
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Qy 388 G---APQAGQKGDQGVKSSSEQGVKGEKGERGENSVSVIRVSSNRGAEV 437

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Db      55 GPPGPPGPPGPPGAGPVSGAGPPGPPGPPGPPGAGPPGPPGPPGAGPVSGPAG 114
      | :|:| | :|:| | | | | | | | : | | | :|:| | | : |
Qy     148 GEQGAGPLQHGKAGMGMPAGPPGPPAEKGAKGAMGRDGTGSPSGQPPGVKGEAGLQ 207

Db     115 GPPGPPGPPGPPGAGPPGPPGPPGPPGPPGAGPVSGAGPPGPPGPPGPPGAGPPGPP 174
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Qy     208 GPQAGPGQGATGTPGPQGEKSGKGDGLLPGKGETGTKEKGDLLGSPSKGDRMGKDA 267

Db     175 GPPGPPGAGPVSGAGPPGPPGPPGPPGAGPPGPPGPPGPPGAGPVSGAGPP 234
      | | | | : | : | | | : | | | | | | | : | | :|:
Qy     268 GVWGPPGAQSGKDFGRGPPGLAGFPAGAKGDQQGLQGVPPGAGVGHGAKGEPGSA 327

Db     235 GPPGPPGPPGAGPPGPPGPPGPPGAGPVSGAGPPGPPGPPGPPGAGPPGPPGPP 294
      |:| |:| |:|:| |:| | : | : | | :| | | : | |:| |:|
Qy     328 GSPGRAGLPSPGSPGATGLKSGKDGTLQGGQSRKGESVPGPAGVKGEQGSPLAGPK 387

Db     295 GPPGAGPVSGPAG 309

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Query Match          19.7%; Score 722; DB 1; Length 417;
Best Local Similarity 46.1%; Pred. No. 3.74e-46;
Matches 136; Conservative 32; Mismatches 123; Indels 4; Gaps 2;

ob      16 VTQLNRLAAHPFASDPMGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLP 75
      |:::| |:::| | | | | |:::| |:::| |:::|
Qy      125 VSHEHLLQRVDNFTQNP-GMFRIKGEQAGPGLQGHKGA MGMPGAPGPPGPAEKAGKAM 183

ob      76 GSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLP 135
      | | | |::| | |:::| | | | | | | | | | | | | | | | |
Qy      184 GRDGATGSPGQGPVPGVKGEAGLQGQCAPGCKQCATGTGPQGEKGSKGDGGLIGPKET 243

ob      136 GSPGAPGT---PGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQ 192
      |:::| |:::| |:::| |:::| | | | | | | | | | | | | |
Qy      244 GTKGEKGDGLPGSKSGDRGMKGDA GVMGPPGAGSKSGDGRPGPPGLAGFPGA KGDQGP 303

ob      193 GLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQGLPGSPGAPGTPGPQ 252
      | | | |:::| |:::| |:::| |:::| |:::| |:::| |:::|

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Qy 304 GLQGVPPGAVGHPGAKGEPGSAGSPGRAGLPGSPGATGLKSGKDTGLGQQGRK 363

Db 253 GLPGSPGAPGTPGQGLPGSPGAPGTPGQGLPGSPGAPGTPGQGLPGSPGAPG 307

Qy 364 GESGVPGPAGVKGEQSSPGLAGPKGAPGQAGQKGDQGVKSSGEQGVKGEKGERG 418

## RESULT 13

ID US-08-477-509B-104 STANDARD; PRT; 417 AA.

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AC xxxxxx

XX

DT

XX

DE Sequence 104, Application US/08477509B

XX

CC Sequence 104, Application US/08477509B

CC Patent No. 5770697

CC GENERAL INFORMATION:

CC APPLICANT: Ferrari, Franco A

CC APPLICANT: Cappello, Joseph

CC APPLICANT: Crissman, John w

CC APPLICANT: Dorman, Mary A

CC TITLE OF INVENTION: No. 5770697el Peptides Comprising Repetitive

CC TITLE OF INVENTION: Units of Amino Acids and DNA Sequences Encoding the Same

CC NUMBER OF SEQUENCES: 112

CC CORRESPONDENCE ADDRESS:

CC ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert

CC STREET: Four Embarcadero Center, Suite 3400

CC CITY: San Francisco

CC STATE: California

CC COUNTRY: US

CC ZIP: 94111

CC COMPUTER READABLE FORM:

CC MEDIUM TYPE: Floppy disk

CC COMPUTER: IBM PC compatible

CC OPERATING SYSTEM: PC-DOS/MS-DOS

CC SOFTWARE: PatentIn Release #1.0, Version #1.30

CC CURRENT APPLICATION DATA:

CC APPLICATION NUMBER: US/08/477,509B

CC FILING DATE: 07-JUN-1995

CC CLASSIFICATION: 435

CC PRIOR APPLICATION DATA:

CC APPLICATION NUMBER: US 08/175,155

CC FILING DATE: 29-DEC-1993

CC PRIOR APPLICATION DATA:

CC APPLICATION NUMBER: US 08/053,049

CC FILING DATE: 22-APR-1993

CC PRIOR APPLICATION DATA:

CC APPLICATION NUMBER: US 07/114,618

CC FILING DATE: 29-OCT-1987

CC PRIOR APPLICATION DATA:

CC APPLICATION NUMBER: US 06/927,258

CC FILING DATE: 04-NOV-1986

CC ATTORNEY/AGENT INFORMATION:

CC NAME: Trecartin, Richard F.

CC REGISTRATION NUMBER: 31,801

CC REFERENCE/DOCKET NUMBER: A-55186-7/RFT/MTK

CC TELECOMMUNICATION INFORMATION:

CC TELEPHONE: 415-781-1989

CC TELEFAX: 415-398-3249

CC INFORMATION FOR SEQ ID NO: 104:

CC SEQUENCE CHARACTERISTICS:

CC LENGTH: 417 amino acids

CC TYPE: amino acid

CC STRANDEDNESS: single

CC TOPOLOGY: linear

CC MOLECULE TYPE: peptide

SQ SEQUENCE 417 AA; 37083 MW; 955434 CN;

Query Match 19.7%; Score 722; DB 1; Length 417;

Best Local Similarity 46.1%; Pred. No. 3.74e-46;

Matches 136; Conservative 32; Mismatches 123; Indels 4; Gaps 2;

Db 16 VTQLNRLAAHPPFASDPMGAPGTPGQGLPGSPGAPGTPGQGLPGSPGAPGTPGQGLP 75

Qy 125 VSHEHLLQRVDNFTQNP-GMFRKGEQAGLQGHKGAMGMPGAPGPPGPPAEGAKGAM 183

Db 76 GSPGAPGTPGQGLPGSPGAPGTPGQGLPGSPGAPGTPGQGLPGSPGAPGTPGQGLP 135

Qy 184 GRDGATGSPGPGQPPGVKGEAGLQGPQAGPKQAGTGTGPGQGEKSGKDGGLIGPKGET 243

Db 136 GSPGAPGT---PGPQGLPGSPGAPGTPGQGLPGSPGAPGTPGQGLPGSPGAPGTPGQ 192

Qy 244 GTKGEKDLGLPGSKGDRGMKGADAGVMGPPGAQSGKGDGRPGPGLAGFPAGKDGQGP 303

Db 193 GLPGSPGAPGTPGQGLPGSPGAPGTPGQGLPGSPGAPGTPGQGLPGSPGAPGTPGQ 252

Qy 304 GLQGVPPGAVGHPGAKGEPGSAGSPGRAGLPGSPGATGLKSGKDTGLGQQGRK 363

Db 253 GLPGSPGAPGTPGQGLPGSPGAPGTPGQGLPGSPGAPGTPGQGLPGSPGAPG 307

Qy 364 GESGVPGPAGVKGEQSSPGLAGPKGAPGQAGQKGDQGVKSSGEQGVKGEKGERG 418

## RESULT 14

ID US-08-642-255-102 STANDARD; PRT; 417 AA.

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AC xxxxxx

XX

DT

XX

DE Sequence 102, Application US/08642255

XX

CC Sequence 102, Application US/08642255

CC Patent No. 5773249

CC GENERAL INFORMATION:

CC APPLICANT: CAPPELLO, Joseph

CC APPLICANT: FERRARI, Franco A.

CC TITLE OF INVENTION: High Molecular Weight Collagen-Like

CC TITLE OF INVENTION: Protein Polymers

CC NUMBER OF SEQUENCES: 135

CC CORRESPONDENCE ADDRESS:

CC ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT

CC STREET: 4 Embarcadero Center, Suite 3400

CC CITY: San Francisco

CC STATE: California

CC COUNTRY: USA

CC ZIP: 94111-4187

CC COMPUTER READABLE FORM:

CC MEDIUM TYPE: Floppy disk

CC COMPUTER: IBM PC compatible

CC OPERATING SYSTEM: PC-DOS/MS-DOS

CC SOFTWARE: PatentIn Release #1.0, Version #1.30

CC CURRENT APPLICATION DATA:

CC APPLICATION NUMBER: US/08/642,255

CC FILING DATE:

CC CLASSIFICATION: 435

CC ATTORNEY/AGENT INFORMATION:

CC NAME: ROWLAND, Bertram I.

CC REGISTRATION NUMBER: 20,015

CC REFERENCE/DOCKET NUMBER: A55556-3/BIR

CC TELECOMMUNICATION INFORMATION:

CC TELEPHONE: (415) 494-8700

CC TELEFAX: (415) 494-8771

CC TELEX: 910 277299 FHT UR

CC INFORMATION FOR SEQ ID NO: 102:

CC SEQUENCE CHARACTERISTICS:

CC LENGTH: 417 amino acids

CC TYPE: amino acid

CC STRANDEDNESS: single

CC TOPOLOGY: linear

CC MOLECULE TYPE: protein

SQ SEQUENCE 417 AA; 37083 MW; 955434 CN;

Query Match 19.7%; Score 722; DB 1; Length 417;

RESULT 15  
 ID US-08-642-255-101 STANDARD; PRT; 837 AA.  
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 DE Sequence 101, Application US/08642255  
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 CC Sequence 101, Application US/08642255  
 CC Patent No. 5773249  
 CC GENERAL INFORMATION:  
 CC APPLICANT: CAPPELLO, Joseph  
 CC APPLICANT: FERRARI, Franco A.  
 CC TITLE OF INVENTION: High Molecular Weight Collagen-Like  
 CC TITLE OF INVENTION: Protein Polymers  
 CC NUMBER OF SEQUENCES: 135  
 CC CORRESPONDENCE ADDRESS:  
 CC ADDRESSEE: FLEHR, HOHBACH, TEST, ALBRITTON & HERBERT  
 CC STREET: 4 Embarcadero Center, Suite 3400  
 CC CITY: San Francisco  
 CC STATE: California  
 CC COUNTRY: USA  
 CC ZIP: 94111-4187  
 CC COMPUTER READABLE FORM:  
 CC MEDIUM TYPE: Floppy disk  
 CC COMPUTER: IBM PC compatible  
 CC OPERATING SYSTEM: PC-DOS/MS-DOS  
 CC SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CC CURRENT APPLICATION DATA:  
 CC APPLICATION NUMBER: US/08/642,255  
 CC FILING DATE:  
 CC CLASSIFICATION: 435  
 CC ATTORNEY/AGENT INFORMATION:  
 CC NAME: ROWLAND, Bertram I.  
 CC REGISTRATION NUMBER: 20,015  
 CC REFERENCE/DOCKET NUMBER: A55556-3/BIR  
 CC TELECOMMUNICATION INFORMATION:  
 CC TELEPHONE: (415) 494-8700  
 CC TELEFAX: (415) 494-8771  
 CC TELEX: 910 277299 FHT UR  
 CC INFORMATION FOR SEQ ID NO: 101:  
 CC SEQUENCE CHARACTERISTICS:  
 CC LENGTH: 837 amino acids  
 CC TYPE: amino acid  
 CC STRANDEDNESS: single  
 CC TOPOLOGY: linear  
 CC MOLECULE TYPE: protein  
 SO SEQUENCE 837 AA: 72682 MW: 3863626 CN:

Search completed: Fri Sep 11 06:57:06 1998  
Job time : 13 secs.

SO SEQUENCE 837 AA: 72682 MW: 3863626 CN:

\*\*\*\*\*  
[W][O][R][D][S] (TM)  
\*\*\*\*\*

Release 3.1A John F. Collins, Biocomputing Research Unit.  
Copyright (c) 1993-1998 University of Edinburgh, U.K.  
Distribution rights by Oxford Molecular Ltd

MPsrch\_pp protein - protein database search, using Smith-Waterman algorithm

Run on: Fri Sep 11 06:57:25 1998; MasPar time 22.56 Seconds  
724.438 Million cell updates/sec

Tabular output not generated.

Title: >US-08-794-795-6  
Description: (1-520) from US08794795.pep  
Perfect Score: 3665  
Sequence: 1 MRNKKILKEDELLSETQQA.....NSWGHDCSHEEDAGVECSV 520

Scoring table: PAM 150  
Gap 11

Searched: 286381 seqs, 31430319 residues

Post-processing: Minimum Match 0%  
Listing first 45 summaries

Database: a-pending  
1:P9 2:U60 3:U7 4:U80 5:U81 6:U82 7:U83 8:U84 9:U85  
10:U86 11:U87 12:U88 13:U89 14:U90 15:U91 16:NEWP  
17:NEWU8 18:NEWU9

Statistics: Mean 34.734; Variance 179.067; scale 0.194

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result	No.	Score	Query Match Length	ID	Description	Pred. No.
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2	3653	99.7	520 13	US-08-934-	Sequence 1, Applicatio	2.70e-289
3	3493	95.3	495 11	US-08-794-	Sequence 2, Applicatio	6.29e-276
4	2414	65.9	518 12	US-08-893-	Sequence 2, Applicatio	5.98e-186
5	2414	65.9	518 13	US-08-934-	Sequence 3, Applicatio	5.98e-186
6	2369	64.6	489 11	US-08-794-	Sequence 7, Applicatio	3.32e-182
7	796	21.7	357 8	US-08-478-	Sequence 66, Applicati	2.12e-52
8	796	21.7	357 8	US-08-475-	Sequence 66, Applicati	2.12e-52
9	757	20.7	408 8	US-08-475-	Sequence 65, Applicati	3.07e-49
10	757	20.7	408 8	US-08-478-	Sequence 65, Applicati	3.07e-49
11	757	20.7	1107 11	US-08-763-	Sequence 8, Applicatio	3.07e-49
12	757	20.7	1169 11	US-08-763-	Sequence 5, Applicatio	3.07e-49
13	757	20.7	1171 11	US-08-763-	Sequence 6, Applicatio	3.07e-49
14	757	20.7	1341 5	US-08-187-	Sequence 18, Applicati	3.07e-49
15	757	20.7	1341 13	US-08-963-	Sequence 18, Applicatio	3.07e-49
16	757	20.7	1388 11	US-08-763-	Sequence 7, Applicatio	3.07e-49
17	749	20.4	1078 5	US-08-187-	Sequence 21, Applicati	1.36e-48
18	749	20.4	1078 13	US-08-963-	Sequence 21, Applicati	1.36e-48
19	742	20.2	655 3	US-07-616-	Sequence 1, Applicatio	5.03e-48
20	734	20.0	1442 7	US-08-316-	Sequence 12, Applicati	2.23e-47
21	729	19.9	492 8	US-08-472-	Sequence 12, Applicati	5.66e-47

22	729	19.9	492 8	US-08-461-	Sequence 12, Applicati	5.66e-47
23	729	19.9	492 8	US-08-469-	Sequence 12, Applicati	5.66e-47
24	729	19.9	492 8	US-08-461-	Sequence 12, Applicati	5.66e-47
25	728	19.9	492 8	US-08-469-	Sequence 11, Applicati	6.82e-47
26	728	19.9	492 8	US-08-461-	Sequence 11, Applicati	6.82e-47
27	728	19.9	492 8	US-08-472-	Sequence 11, Applicati	6.82e-47
28	728	19.9	492 8	US-08-461-	Sequence 11, Applicati	6.82e-47
29	730	19.9	1418 8	US-08-448-	Sequence 1, Applicatio	4.70e-47
30	730	19.9	1418 13	US-08-963-	Sequence 20, Applicati	4.70e-47
31	730	19.9	1418 3	US-07-984-	Sequence 1, Applicatio	4.70e-47
32	730	19.9	1418 5	US-08-187-	Sequence 20, Applicati	4.70e-47
33	727	19.8	1017 8	US-08-461-	Sequence 10, Applicati	8.22e-47
34	727	19.8	1017 8	US-08-461-	Sequence 10, Applicati	8.22e-47
35	727	19.8	1017 8	US-08-472-	Sequence 10, Applicati	8.22e-47
36	727	19.8	1017 8	US-08-469-	Sequence 10, Applicati	8.22e-47
37	722	19.7	417 11	US-08-707-	Sequence 76, Applicati	2.08e-46
38	722	19.7	417 8	US-08-477-	Sequence 104, Applicat	2.08e-46
39	722	19.7	417 8	US-08-482-	Sequence 104, Applicat	2.08e-46
40	722	19.7	417 11	US-08-707-	Sequence 76, Applicati	2.08e-46
41	722	19.7	837 11	US-08-707-	Sequence 75, Applicati	2.08e-46
42	722	19.7	837 11	US-08-707-	Sequence 75, Applicati	2.08e-46
43	722	19.7	837 8	US-08-477-	Sequence 103, Applicat	2.08e-46
44	722	19.7	837 8	US-08-482-	Sequence 103, Applicat	2.08e-46
45	696	19.0	1366 5	US-08-187-	Sequence 19, Applicati	2.62e-44

#### ALIGNMENTS

RESULT 1  
ID US-08-794-795-6 STANDARD; PRT; 520 AA.  
XX  
AC xxxxxx  
XX  
DT  
XX  
DE Sequence 6, Application US/08794795  
XX  
CC Sequence 6, Application US/08794795  
CC GENERAL INFORMATION:  
CC APPLICANT: Elshourlagy, Nabil  
CC APPLICANT: Adamou, John  
CC APPLICANT: Gross, Mitchell  
CC APPLICANT: Lysko, Paul  
CC TITLE OF INVENTION: Human Macro Scavenger Rec  
CC TITLE OF INVENTION: eptor  
CC NUMBER OF SEQUENCES: 9  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: SmithKline Beecham Corporation  
CC STREET: 709 Swedeland Road  
CC CITY: King of Prussia  
CC STATE: PA  
CC COUNTRY: USA  
CC ZIP: 19406  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Diskette  
CC COMPUTER: IBM Compatible  
CC OPERATING SYSTEM: DOS  
CC SOFTWARE: FastSeq for Windows Version 2.0  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/794,795  
CC FILING DATE: 04-FEB-1997  
CC CLASSIFICATION: 435  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: ATG50009P  
CC FILING DATE: 22-MAY-1996  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Han, William T  
CC REGISTRATION NUMBER: 34,344  
CC REFERENCE/DOCKET NUMBER: ATG50009  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 610-270-5219  
CC TELEFAX: 610-270-4026  
CC TELEX:



CC INFORMATION FOR SEQ ID NO: 6:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 520 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: peptide  
SQ SEQUENCE 520 AA; 52658 MW; 1340662 CN;

Query Match 100.0%; Score 3665; DB 11; Length 520;  
Best Local Similarity 100.0%; Pred. No. 2.58e-290;  
Matches 520; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db 1 MRNKKILKEDELLSETQQAAPHQIAMEPFEINVPKPKRRNGVNFSLAVVVIYLLILTAGA 60  
Qy 1 MRNKKILKEDELLSETQQAAPHQIAMEPFEINVPKPKRRNGVNFSLAVVVIYLLILTAGA 60  
Db 61 GLLVVQVLNLQARLRVLEMYFLNDTLAAEDSPSFLQSAHPGEHLAQGASRLQVLQAQL 120  
Qy 61 GLLVVQVLNLQARLRVLEMYFLNDTLAAEDSPSFLQSAHPGEHLAQGASRLQVLQAQL 120  
Db 121 TWVRVSHEHLLQRVDNFTQNPGMFRIKGEQAGPLQGHKGAMGMPGAPGPPGPAEKGA 180  
Qy 121 TWVRVSHEHLLQRVDNFTQNPGMFRIKGEQAGPLQGHKGAMGMPGAPGPPGPAEKGA 180  
Db 181 GAMGRDGTGSPGPGPGVKGEGAGLQPGAPGKQATGTPGPQGEKSGKDGGLIGPK 240  
Qy 181 GAMGRDGTGSPGPGPGVKGEGAGLQPGAPGKQATGTPGPQGEKSGKDGGLIGPK 240  
Db 241 GETGTKGEKGDGLPGSKGDRGMKGDAVGMPPGAQSGKDFGRPGPLAGFPAGAKGDQ 300  
Qy 241 GETGTKGEKGDGLPGSKGDRGMKGDAVGMPPGAQSGKDFGRPGPLAGFPAGAKGDQ 300  
Db 301 GQPGQLQGVPPGAVGHPGAKGEPGSGAGSPGRAGLPSPGSPGATGLKSGKDTGLQGGQ 360  
Qy 301 GQPGQLQGVPPGAVGHPGAKGEPGSGAGSPGRAGLPSPGSPGATGLKSGKDTGLQGGQ 360  
Db 361 GRKGESGVPAGVKGEGQSPGLAGPKAPGAGQKQDGQGVKSSGEGQVKGEGKERGEN 420  
Qy 361 GRKGESGVPAGVKGEGQSPGLAGPKAPGAGQKQDGQGVKSSGEGQVKGEGKERGEN 420  
Db 421 SVSVRIVGSSNRGRAEVYISGTWGTICDDEWQNSDAIVFCRMLGYSKGRALYKVGAGTGQ 480  
Qy 421 SVSVRIVGSSNRGRAEVYISGTWGTICDDEWQNSDAIVFCRMLGYSKGRALYKVGAGTGQ 480  
Db 481 IWLNDVQCRGTESTLWSCTKNSWGHDCSHEEDAGVECSV 520  
Qy 481 IWLNDVQCRGTESTLWSCTKNSWGHDCSHEEDAGVECSV 520

RESULT 2  
ID US-08-934-168-1 STANDARD; PRT; 520 AA.  
XX  
AC xxxxxx  
XX  
DT  
XX  
DE Sequence 1, Application US/08934168  
XX  
CC Sequence 1, Application US/08934168  
CC GENERAL INFORMATION:  
CC APPLICANT: Bandman, Olga  
CC APPLICANT: Lal, Preeti  
CC APPLICANT: Corley, Neil C.  
CC APPLICANT: Shah, Purvi  
CC TITLE OF INVENTION: HUMAN MARCO  
CC NUMBER OF SEQUENCES: 3  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Incyte Pharmaceuticals, Inc.  
CC STREET: 3174 Porter Drive  
CC CITY: Palo Alto  
CC STATE: CA  
CC COUNTRY: USA

CC ZIP: 94304  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Diskette  
CC COMPUTER: IBM Compatible  
CC OPERATING SYSTEM: DOS  
CC SOFTWARE: FastSEQ for Windows Version 2.0  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/934,168  
CC FILING DATE: Herewith  
CC CLASSIFICATION: 435  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER:  
CC FILING DATE:  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Billings, Lucy J.  
CC REGISTRATION NUMBER: 36,749  
CC REFERENCE/DOCKET NUMBER: PF-0392 US  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 650-855-0555  
CC TELEFAX: 650-845-4166  
CC TELEX:  
CC INFORMATION FOR SEQ ID NO: 1:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 520 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC IMMEDIATE SOURCE:  
CC LIBRARY: MMLR3DT01  
CC CLONE: 569648  
SQ SEQUENCE 520 AA; 52674 MW; 1339522 CN;

Query Match 99.7%; Score 3653; DB 13; Length 520;  
Best Local Similarity 99.8%; Pred. No. 2.70e-289;  
Matches 519; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Db 1 MRNKKILKEDELLSETQQAAPHQIAMEPFEINVPKPKRRNGVNFSLAVVVIYLLILTAGA 60  
Qy 1 MRNKKILKEDELLSETQQAAPHQIAMEPFEINVPKPKRRNGVNFSLAVVVIYLLILTAGA 60  
Db 61 GLLVVQVLNLQARLRVLEMYFLNDTLAAEDSPSFLQSAHPGEHLAQGASRLQVLQAQL 120  
Qy 61 GLLVVQVLNLQARLRVLEMYFLNDTLAAEDSPSFLQSAHPGEHLAQGASRLQVLQAQL 120  
Db 121 TWVRVSHEHLLQRVDNFTQNPGMFRIKGEQAGPLQGHKGAMGMPGAPGPPGPAEKGA 180  
Qy 121 TWVRVSHEHLLQRVDNFTQNPGMFRIKGEQAGPLQGHKGAMGMPGAPGPPGPAEKGA 180  
Db 181 GAMGRDGTGSPGPGPGVKGEGAGLQPGAPGKQATGTPGPQGEKSGKDGGLIGPK 240  
Qy 181 GAMGRDGTGSPGPGPGVKGEGAGLQPGAPGKQATGTPGPQGEKSGKDGGLIGPK 240  
Db 241 GETGTKGEKGDGLPGSKGDRGMKGDAVGMPPGAQSGKDFGRPGPLAGFPAGAKGDQ 300  
Qy 241 GETGTKGEKGDGLPGSKGDRGMKGDAVGMPPGAQSGKDFGRPGPLAGFPAGAKGDQ 300  
Db 301 GQPGQLQGVPPGAVGHPGAKGEPGSGAGSPGRAGLPSPGSPGATGLKSGKDTGLQGGQ 360  
Qy 301 GQPGQLQGVPPGAVGHPGAKGEPGSGAGSPGRAGLPSPGSPGATGLKSGKDTGLQGGQ 360  
Db 361 GRKGESGVPAGVKGEGQSPGLAGPKAPGAGQKQDGQGVKSSGEGQVKGEGKERGEN 420  
Qy 361 GRKGESGVPAGVKGEGQSPGLAGPKAPGAGQKQDGQGVKSSGEGQVKGEGKERGEN 420  
Db 421 SVSVRIVGSSNRGRAEVYISGTWGTICDDEWQNSDAIVFCRMLGYSKGRALYKVGAGTGQ 480  
Qy 421 SVSVRIVGSSNRGRAEVYISGTWGTICDDEWQNSDAIVFCRMLGYSKGRALYKVGAGTGQ 480  
Db 481 IWLNDVQCRGTESTLWSCTKNSWGHDCSHEEDAGVECSV 520  
Qy 481 IWLNDVQCRGTESTLWSCTKNSWGHDCSHEEDAGVECSV 520

## RESULT 3

ID US-08-794-795-2 STANDARD; PRT; 495 AA.

XX

AC xxxxxx

XX

DT

XX

DE Sequence 2, Application US/08794795

XX

CC Sequence 2, Application US/08794795

CC GENERAL INFORMATION:

CC APPLICANT: Elshourlagy, Nabil

CC APPLICANT: Adamou, John

CC APPLICANT: Gross, Mitchell

CC APPLICANT: Lysko, Paul

CC TITLE OF INVENTION: Human Macro Scavenger Rec

CC TITLE OF INVENTION: eptor

CC NUMBER OF SEQUENCES: 9

CC CORRESPONDENCE ADDRESS:

CC ADDRESSEE: SmithKline Beecham Corporation

CC STREET: 709 Swedeland Road

CC CITY: King of Prussia

CC STATE: PA

CC COUNTRY: USA

CC ZIP: 19406

CC COMPUTER READABLE FORM:

CC MEDIUM TYPE: Diskette

CC COMPUTER: IBM Compatible

CC OPERATING SYSTEM: DOS

CC SOFTWARE: FastSEQ for Windows Version 2.0

CC CURRENT APPLICATION DATA:

CC APPLICATION NUMBER: US/08/794,795

CC FILING DATE: 04-FEB-1997

CC CLASSIFICATION: 435

CC PRIOR APPLICATION DATA:

CC APPLICATION NUMBER: ATG50009P

CC FILING DATE: 22-MAY-1996

CC ATTORNEY/AGENT INFORMATION:

CC NAME: Han, William T

CC REGISTRATION NUMBER: 34,344

CC REFERENCE/DOCKET NUMBER: ATG50009

CC TELECOMMUNICATION INFORMATION:

CC TELEPHONE: 610-270-5219

CC TELEFAX: 610-270-4026

CC TELEX:

CC INFORMATION FOR SEQ ID NO: 2:

CC SEQUENCE CHARACTERISTICS:

CC LENGTH: 495 amino acids

CC TYPE: amino acid

CC STRANDEDNESS: single

CC TOPOLOGY: linear

CC MOLECULE TYPE: peptide

SQ SEQUENCE 495 AA; 49764 MW; 1218428 CN;

Query Match 95.3%; Score 3493; DB 11; Length 495;  
Best Local Similarity 99.8%; Pred. No. 6.29e-276;  
Matches 494; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Db 1 MEPFEINVPKRRNGVNFSLAVVVIYLLLTAGAGLLVVQVLNQLARLVLEMYFLNDT 60

Qy 26 MEPFEINVPKRRNGVNFSLAVVVIYLLLTAGAGLLVVQVLNQLARLVLEMYFLNDT 85

Db 61 LAEDSPSFLQSAHPGEHLAQGASRLQVLQALTWVRVSHHELLQRVDNFTQNGMFR 120

Qy 86 LAEDSPSFLQSAHPGEHLAQGASRLQVLQALTWVRVSHHELLQRVDNFTQNGMFR 145

Db 121 IKGEQAGPGLQGHKGAMGMPGAPGPPGPAEKAGKAMGRDGTGSPGPPGPPGKGEAG 180

Qy 146 IKGEQAGPGLQGHKGAMGMPGAPGPPGPAEKAGKAMGRDGTGSPGPPGPPGKGEAG 205

Db 181 LQGPQAGPKQKATGTPGPQGEKSGKDGGLGPKGETGKGEKDLGLPGSKGDRGMKG 240

Qy 206 LQGPQAGPKQKATGTPGPQGEKSGKDGGLGPKGETGKGEKDLGLPGSKGDRGMKG 265

Db 241 DAGVMGPPGAQGSKGDFRPGPPGLAGFPAGKDGQGPGLQGVPPGPAVHPGAKGEPG 300

Qy 266 DAGVMGPPGAQGSKGDFRPGPPGLAGFPAGKDGQGPGLQGVPPGPAVHPGAKGEPG 325

Db 301 SAGSPGRAGLPGSPGSPGATGLKGSKGDGLQGGQGRKGESGVPGPAGVKGEQGSPLAG 360

Qy 326 SAGSPGRAGLPGSPGSPGATGLKGSKGDGLQGGQGRKGESGVPGPAGVKGEQGSPLAG 385

Db 361 PKGAPGQAGQKGDQGVKSSGEQGVKEKGERGENSVSVRIVGSSNRGRAEVYSGTWGT 420

Qy 386 PKGAPGQAGQKGDQGVKSSGEQGVKEKGERGENSVSVRIVGSSNRGRAEVYSGTWGT 445

Db 421 ICDDEWQNSDAIVFCRMLGYSKGRALYKVGAGTGQIWLNDVQCRGTESTLWSCSKNSWGH 480

Qy 446 ICDDEWQNSDAIVFCRMLGYSKGRALYKVGAGTGQIWLNDVQCRGTESTLWSCSKNSWGH 505

Db 481 HDCSHEEDAGVECSV 495

Qy 506 HDCSHEEDAGVECSV 520

## RESULT 4

ID US-08-893-467A-2 STANDARD; PRT; 518 AA.

XX

AC xxxxxx

XX

DT

XX

DE Sequence 2, Application US/08893467A

XX

CC Sequence 2, Application US/08893467A

CC GENERAL INFORMATION:

CC APPLICANT: Tryggvason, Karl

CC APPLICANT: Elomaa, Outi

CC APPLICANT: Kangas, Maarit

CC TITLE OF INVENTION: An Insolated DNA Sequence For a

CC TITLE OF INVENTION: Novel Macrophage Receptor with

CC TITLE OF INVENTION: a Collagenous Domain and the

CC TITLE OF INVENTION: Polypeptide Chain Encoded by

CC TITLE OF INVENTION: such a Sequence

CC NUMBER OF SEQUENCES: 2

CC CORRESPONDENCE ADDRESS:

CC ADDRESSEE: Fay, Sharpe, Beall, Fagan,

CC ADDRESSEE: Minnich &amp; McKee

CC STREET: 1100 Superior Avenue

CC STREET: Suite 700

CC CITY: Cleveland

CC STATE: Ohio

CC COUNTRY: U.S.A.

CC ZIP: 44114-2518

CC COMPUTER READABLE FORM:

CC MEDIUM TYPE: Diskette, 3.50 inch,

CC MEDIUM TYPE: 720 Kb storable

CC COMPUTER: IBM PS/2, Model 35 SX

CC OPERATING SYSTEM: DOS 5.0

CC SOFTWARE: Word Perfect 5.1

CC CURRENT APPLICATION DATA:

CC APPLICATION NUMBER: US/08/893,467A

CC FILING DATE:

CC CLASSIFICATION: 435

CC ATTORNEY/AGENT INFORMATION:

CC NAME: Minnich, Richard J.

CC REGISTRATION NUMBER: 24,175

CC REFERENCE/DOCKET NUMBER: TRV 2 009

CC TELECOMMUNICATION INFORMATION:

CC TELEPHONE: (216) 861-5582

CC TELEFAX: (216) 241-1666

CC TELEX: (216) 980162

CC INFORMATION FOR SEQ ID NO: 2:

CC SEQUENCE CHARACTERISTICS:

CC LENGTH: 518 amino acids

CC TYPE: amino acid

```

RESULT      6
ID  US-08-794-795-7      STANDARD;      PRT;      489 AA.
XX
AC  xxxxxx
XX

```

DT  
XX  
DE Sequence 7, Application US/08794795  
XX  
CC Sequence 7, Application US/08794795  
CC GENERAL INFORMATION:  
CC APPLICANT: Elshourlagy, Nabil  
CC APPLICANT: Adamou, John  
CC APPLICANT: Gross, Mitchell  
CC APPLICANT: Lysko, Paul  
CC TITLE OF INVENTION: Human Macro Scavenger Rec  
CC TITLE OF INVENTION: eptor  
CC NUMBER OF SEQUENCES: 9  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Smithkline Beecham Corporation  
CC STREET: 709 Swedeland Road  
CC CITY: King of Prussia  
CC STATE: PA  
CC COUNTRY: USA  
CC ZIP: 19406  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Diskette  
CC COMPUTER: IBM Compatible  
CC OPERATING SYSTEM: DOS  
CC SOFTWARE: FastSEQ for Windows Version 2.0  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/794,795  
CC FILING DATE: 04-FEB-1997  
CC CLASSIFICATION: 435  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: ATG50009P  
CC FILING DATE: 22-MAY-1996  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Han, William T  
CC REGISTRATION NUMBER: 34,344  
CC REFERENCE/DOCKET NUMBER: ATG50009  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 610-270-5219  
CC TELEFAX: 610-270-4026  
CC TELEX:  
CC INFORMATION FOR SEQ ID NO: 7:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 489 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: protein  
SQ SEQUENCE 489 AA; 49441 MW; 1141296 CN;

Query Match 64.6%; Score 2369; DB 11; Length 489;  
Best Local Similarity 69.2%; Pred. No. 3.32e-182;  
Matches 342; Conservative 63; Mismatches 84; Indels 5; Gaps 4;

Db 1 METFEINDVPKRRNGGTFCMAVMAIHLILLTAGTALLLIQVLNLQEQQLMCCNGS 60  
|| ||| | ||:| | :|| | |||||:|:| ||| :||| | :  
Qy 26 MEPEINVPKPKRRNGVNFSLAVVVIYLLILLTAGAGLLVQVLNLQARLVLEMYFNDT 85

Db 61 LAIEDKPFSL-QWA-PKTHLVPAQGLQALQALSVVHTSQEQLRQFNNTQNPFLQ 118  
|| || | || | | | | || |||||:| :|| | :||| :|:  
Qy 86 LAEDSPSFSLLQSAHPGEHLAQASRLQVLQALTVVRSHEHLLQVDNTQNPQMF 145

Db 119 IKGERGSPG-P-KGAPGAPGIPGLPGPAEKGEKGAAGRDGTPGVQGPQPGSKGEAG 175  
|||:|:| || | || || ||||| || ||| | ||||| |||||  
Qy 146 IKGEQAGPGLQGHKAGMCPGAPGPPGPAEKAGKAGMRDGTGSPGPGPGVKGEAG 205

Db 176 LQSLTGAPGKQATGAPGRGEKSGKDGITGPKGEHTKGDGLPGNKGMGMKG 235  
|| | |||||:|:|:|:|:| || || || |||||:| ||| |||  
Qy 206 LQGPQAGPQKQATGTPGQGEKSGKDGGLGPKGETGKGEKGLGPGSKGDRGMKG 265

Db 236 DTGPMGSPGAQGGKDGAGKPLPLAGSPGVKDGQKGVQVPGPGAPGLSGAKGEPG 295  
|:| ||:|:|:|:| || :|| |||| | || ||| ||| || | :||| |||  
Qy 266 DAGVMGPPGAQSGKDGFRPGPLAGFPAGKGDQGPGLQGVPGPPGAVGHPGAKGEPG 325

Db 296 RTGLPGPAGPGIAGNPGIAGVKGSGDGTGIQGGKTKGESVPLVGRKGTGSPGLAG 355  
:| || || | :|| | :|||:|:| || | ||||| | ||: |||||  
Qy 326 SAGSPGRAGLPSPGSPGATGLKSGKGTGLQGGQGRKGESVPGPAGVKGEQSGPLAG 385

Db 356 PKGEPRVQKGDPMKSSGQGGKQKESQKESFQRVRIMGGTNRGRAEVYNNNEWGT 415  
|| | ||| :|||:| |||||:| | ||:|:| |||||: |||  
Qy 386 PKGAPGQAGQKGDQGVKSSGQGVKGEKGERGENSVSRIVGSSNRGRAEVYSGTWGT 445

Db 416 ICDDWDNDATVFCRMLGYSRGRALSSYGGSGNIWLDNVNCRGTENSLWDCSKNSWGN 475  
|||:|:| |||||:| ||| :|| |||| | |||:| :|||:|  
Qy 446 ICDDWQNSDAIVFCRMLGYSKGRALYKVGAGTGQIWLNVQCRGTSTLWCTKNSWGH 505

Db 476 HNCVHNEADGVECS 489  
|:| |||||  
Qy 506 HDCSHEADGVECS 519

RESULT 7  
ID US-08-478-029A-66 STANDARD; PRT; 357 AA.  
XX  
AC xxxxxx  
XX  
DT  
XX  
DE Sequence 66, Application US/08478029A  
XX  
CC Sequence 66, Application US/08478029A  
CC GENERAL INFORMATION:  
CC APPLICANT: Ferrari, Franco A.  
CC APPLICANT: Cappello, Joseph  
CC TITLE OF INVENTION: Functional Recombinantly Prepared  
CC TITLE OF INVENTION: Synthetic Protein Polymer  
CC NUMBER OF SEQUENCES: 119  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert  
CC STREET: Four Embarcadero Center, Suite 3400  
CC CITY: San Francisco  
CC STATE: CA  
CC COUNTRY: US  
CC ZIP: 94111  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: PatentIn Release #1.0, Version #1.30  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/478,029A  
CC FILING DATE: 07-JUN-1995  
CC CLASSIFICATION: 435  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 07/609,716  
CC FILING DATE: 06-NOV-1990  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 07/269,429  
CC FILING DATE: 09-NOV-1988  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 07/114,618  
CC FILING DATE: 29-OCT-1987  
CC PRIOR APPLICATION DATA:  
CC APPLICATION NUMBER: US 06/927,258  
CC FILING DATE: 04-NOV-1986  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Trecartin, Richard F.  
CC REGISTRATION NUMBER: 31,801  
CC REFERENCE/DOCKET NUMBER: A-55186-8/RFT/MTK  
CC TELECOMMUNICATION INFORMATION:  
CC TELEPHONE: 415-781-1989  
CC TELEFAX: 415-398-3249  
CC INFORMATION FOR SEQ ID NO: 66:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 357 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single

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DE      Sequence 65, Application US/08475411A
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CC      Sequence 65, Application US/08475411A
CC      GENERAL INFORMATION:
CC      APPLICANT: Ferrari, Franco A.
CC      APPLICANT: Cappello, Joseph
CC      TITLE OF INVENTION: Functional Recombinantly Prepared
CC      TITLE OF INVENTION: Synthetic Protein Polymer
CC      NUMBER OF SEQUENCES: 119
CC      CORRESPONDENCE ADDRESS:
CC      ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert
CC      STREET: Four Embarcadero Center, Suite 3400
CC      CITY: San Francisco
CC      STATE: CA
CC      COUNTRY: US
CC      ZIP: 94111
CC      COMPUTER READABLE FORM:
CC      MEDIUM TYPE: Floppy disk
CC      COMPUTER: IBM PC compatible
CC      OPERATING SYSTEM: PC-DOS/MS-DOS
CC      SOFTWARE: Patent In Release #1.0, Version #1.30
CC      CURRENT APPLICATION DATA:
CC      APPLICATION NUMBER: US/08/475,411A
CC      FILING DATE: 07-JUN-1995
CC      CLASSIFICATION: 435

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DE       Sequence 65, Application US/08478029A  
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CC       Sequence 65, Application US/08478029A  
CC       GENERAL INFORMATION:  
CC       APPLICANT: Ferrari, Franco A.  
CC       APPLICANT: Cappello, Joseph  
CC       TITLE OF INVENTION: Functional Recombinantly Prepared  
CC       TITLE OF INVENTION: Synthetic Protein Polymer  
CC       NUMBER OF SEQUENCES: 119  
CC       CORRESPONDENCE ADDRESS:  
CC       ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert  
CC       STREET: Four Embarcadero Center, Suite 3400  
CC       CITY: San Francisco

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RESULT 11
ID US-08-763-497-8 STANDARD; PRT; 1107 AA
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AC xxxxxx
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DT
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DE Sequence 8, Application US/08763497

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AC       xxxxxx  
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DE       Sequence 6, Application US/08763497  
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CC       Sequence 6, Application US/08763497  
CC       GENERAL INFORMATION:  
CC       APPLICANT: Gruskin et al.  
CC       TITLE OF INVENTION: Recombinant Chimeric Proteins And  
CC       TITLE OF INVENTION: Methods Of Use Thereof  
CC       NUMBER OF SEQUENCES: 8  
CC       COMPUTER READABLE FORM:  
CC       MEDIUM TYPE: Floppy disk  
CC       COMPUTER: IBM PC compatible  
CC       OPERATING SYSTEM: PC-DOS/MS-DOS  
CC       SOFTWARE: PatentIn Release #1.0, Version #1.30 (EPO)  
CC       CURRENT APPLICATION DATA:  
CC       APPLICATION NUMBER: US/08/763,497  
CC       FILING DATE: 11-DEC-1996  
CC       CLASSIFICATION: 435  
CC       PRIOR APPLICATION DATA:  
CC       APPLICATION NUMBER: 08/259,263  
CC       FILING DATE:  
CC       INFORMATION FOR SEQ ID NO: 6:  
CC       SEQUENCE CHARACTERISTICS:  
CC       LENGTH: 1171 amino acids  
CC       TYPE: amino acid  
CC       TOPOLOGY: linear  
CC       MOLECULE TYPE: protein  
SO       SEQUENCE 1171 AA: 107798 MW: 6537396 CN;

Query Match 20.7%; Score 757; DB 11; Length 1171;  
Best Local Similarity 45.1%; Pred. No. 3.07e-49;  
Matches 134; Conservative 47; Mismatches 113; Indels 3; Gaps 2;

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Qy	140	NPGMFRIKGEQAGPLQGHKGAMGPGAPGPPGPAEKAGKAGMGRDGTGSPGQGP	199
Db	349	ERGSPPGAPKPGSPGEAGRPGEAGLPGAKLGTSPGSPGPDGKTPGPPGAGDGRGPPG	408
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Qy	200	VKGEAGLQGPGQAGPKQGTGTGPGQGEKSGKDGGLIGPKETGTKEGKDLGLPSGK	259
Db	409	PPGARGQAGVMGFGPKKAAGEPGKAGERGVPPGAVGPAKDGEGAQGP	468
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Qy	260	DRMKGDAGVMGPPGAQSGKDGFRGPPGLAGFPKAGDQDQGLQGVPPGAVGHPG	319
Db	469	ERGEQGPAGSPGQGLPGPAGPGEAGKPGEGVPGDLGAPGSPGARGERGFPPGERGVQ	528
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Qy	320	AKGEPGSAGSPGRAGLPGSPSPGATGLKSGKDTG-L--QQQGRKGESGVPGPAGVK	376
Db	529	PPGAPAGGAGAPGNDGAKGDAGAPGAPGSQGAPGLQMPGERGAAGLPGPKDGRG	585
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Qy	377	EOGSPGLAGPKPAGGAGOGKDGOGVKGSSGROGVKGEKGERGENSYRVIGSSNRG	433

RESULT 14

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ID US-08-187-319A-18 STANDARD; PRT; 1341 AA.
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DE Sequence 18, Application US/08187319A
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CC Sequence 18, Application US/08187319A
CC GENERAL INFORMATION:
CC APPLICANT: Qvist, Per
CC APPLICANT: Bonde, Martin
CC TITLE OF INVENTION: A Method for Assaying Collagen Fragments
CC TITLE OF INVENTION: in Body Fluids, A Test Kit and Means for Carrying Out the
CC TITLE OF INVENTION: Method and Use of the Method to Diagnose the Presence of
CC TITLE OF INVENTION: Disorders Associated with the Metabolism of
CC NUMBER OF SEQUENCES: 21
CC CORRESPONDENCE ADDRESS:
CC ADDRESSEE: Darby & Darby PC
CC STREET: 805 Third Avenue
CC CITY: New York
CC STATE: New York
CC COUNTRY: USA
CC ZIP: 10022
CC COMPUTER READABLE FORM:
CC MEDIUM TYPE: Floppy disk
CC COMPUTER: IBM PC compatible
CC OPERATING SYSTEM: PC-DOS/MS-DOS
CC SOFTWARE: PatentIn Release #1.0, Version #1.25
CC CURRENT APPLICATION DATA:
CC APPLICATION NUMBER: US/08/187,319A
CC FILING DATE: 21-JAN-1994
CC CLASSIFICATION: 436
CC ATTORNEY/AGENT INFORMATION:
CC NAME: Gogoris, Adda C
CC REGISTRATION NUMBER: 29,714
CC REFERENCE/DOCKET NUMBER: 4305/08701
CC TELECOMMUNICATION INFORMATION:
CC TELEPHONE: 212-527-7700
CC TELEFAX: 212-753-6237
CC TELEX: 236687
CC INFORMATION FOR SEQ ID NO: 18:
CC SEQUENCE CHARACTERISTICS:
CC LENGTH: 1341 amino acids
CC TYPE: amino acid
CC TOPOLOGY: linear

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CC MOLECULE TYPE: protein  
CC ORIGINAL SOURCE:  
CC ORGANISM: Homo sapiens  
CC IMMEDIATE SOURCE:  
CC CLONE: COLLAGEN ALPHA 1 (I)  
SO SEQUENCE 1341 AA: 128257 MW: 8816128 CN:

Query Match 20.7%; Score 757; DB 5; Length 1341;  
Best Local Similarity 45.1%; Pred. No. 3.07e-49;  
Matches 134; Conservative 47; Mismatches 113; Indels 3; Gaps 2;

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Db      326  EPGPVQVGGPPGPPAGEEKGKRGAREPGTGLPGPPGERGGPSGRGPPGADGVAGPKGPAG 385
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Qy      140  NPGMFRIKQEQQAGPLQGHKGAMGMPGAGPPGPPAEKAGKAGAMGRDGTGSPGPGQGGP 199

Db      386  ERGSPGPAKPKGSPGEAGRPEAGLPAKAGLTGSPGSPDGKCTGPPGAGQDGRPPGPG 445
      :| :| || :|| : | :| || | ||| ||| :| :| :||: |
Qy      200  VKGEAGLQGPQAGPKQCATGTGPQGEKSGKDGLIGPKGTGTGKEKGLDGLPGSKG 259

Db      446  PPGARGAQVGMVFGPGPKGAAGEPGKAGERGVPPGAVGPAGKDGEAGQGGPPGAGPAG 505
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Qy      260  DRGMKGDAGVMGPPGAQGSKGDFGRPPGPLAGFPKAGKQDQGPGLQGVPPGPAVGHGP 319

Db      506  ERGEQCPAGSPGFQGLPGPAGPPGEAGKPGEQVPGDLGAPGPSGARGERGFPGERGVQG 565
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Db      566  PPGPAGPRGANGAPCNDGAKGDAGAPGAPGSQAGPLQGMPPGERGAAGLPKPGKDRG 622
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Qy      377  EGSPLGALGAPGAQGAQKGQDGVKSSSGEOGVKGEKGERGENSVRVIRGSSNRG 433

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RESULT 15

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ID    US-08-963-825-18      STANDARD;      PRT;      1341 AA.
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AC    xxxxxx
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DT
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DE    Sequence 18, Application US/08963825
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CC    Sequence 18, Application US/08963825
CC    GENERAL INFORMATION:
CC      APPLICANT: Qvist, Per
CC      APPLICANT: Bonde, Martin
CC      TITLE OF INVENTION: A Method for Assaying Collagen Fragments
CC      TITLE OF INVENTION: in Body Fluids, A Test Kit and Means for Carrying Out t
CC      TITLE OF INVENTION: Method and Use of the Method to Diagnose the Presence o
CC      TITLE OF INVENTION: Disorders Associated with the Metabolism of
CC      NUMBER OF SEQUENCES: 21
CC      CORRESPONDENCE ADDRESS:
CC        ADDRESSEE: Darby & Darby PC
CC        STREET: 805 Third Avenue
CC        CITY: New York
CC        STATE: New York
CC        COUNTRY: USA
CC        ZIP: 10022
CC      COMPUTER READABLE FORM:
CC        MEDIUM TYPE: Floppy disk
CC        COMPUTER: IBM PC compatible
CC        OPERATING SYSTEM: PC-DOS/MS-DOS
CC        SOFTWARE: PatentIn Release #1.0, Version #1.25
CC      CURRENT APPLICATION DATA:
CC        APPLICATION NUMBER: US/08/963,825
CC        FILING DATE:
CC        CLASSIFICATION: 436
CC      PRIOR APPLICATION DATA:
CC        APPLICATION NUMBER: US/08/187,319
CC        FILING DATE: 21-JAN-1994
CC      ATTORNEY/AGENT INFORMATION:
CC        NAME: Gogoris, Adda C
CC        REGISTRATION NUMBER: 29,714
CC        REFERENCE/DOCKET NUMBER: 4305/08701

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Search completed: Fri Sep 11 06:59:14 1998  
Job time : 109 secs.